Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: 700 SOUTH 1600 EAST PCE PLUME

EPA ID: <u>UTD981548985</u>

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 09/30/18

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

New site listed on the Final NPL. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer: No **Exposure Control** Status Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Achieved Reference Doc(s): No Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Reference Doc(s): **Exposure Controlled** Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Aguilar, Mark **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: 700 SOUTH 1600 EAST PCE PLUME

EPA ID: UTD981548985

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 09/30/18

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

New site listed on the Final NPI Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: No Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the norizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Aguilar, Mark **Date Completed**

EPA ID: MTD093291599

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ACM SMELTER AND REFINERY

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 03/31/26

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/31/30

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Current human exposure not controlled. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: No Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Coleman, Charles Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

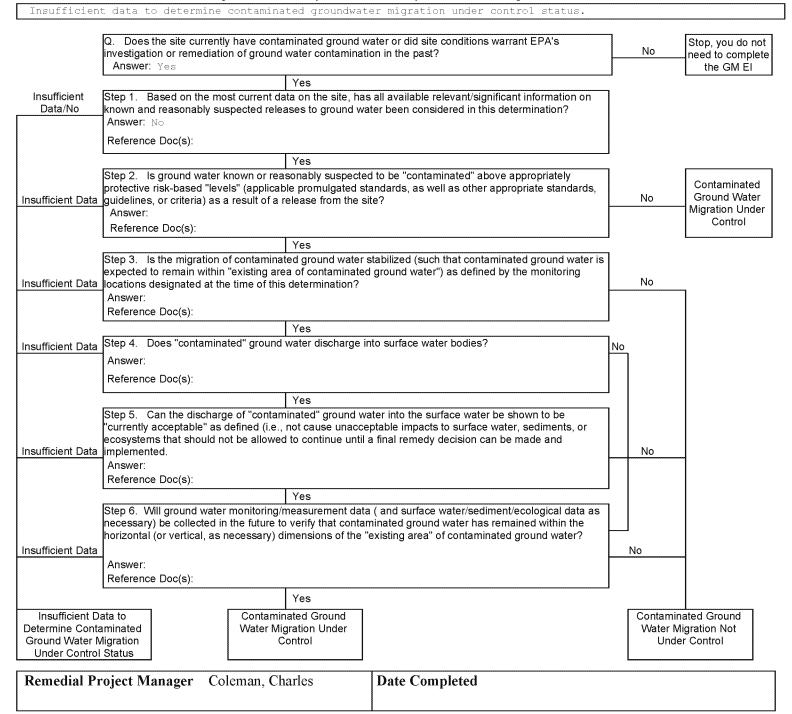
Site Name: ACM SMELTER AND REFINERY

EPA ID: MTD093291599

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/21



EPA ID: CO7570090038

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

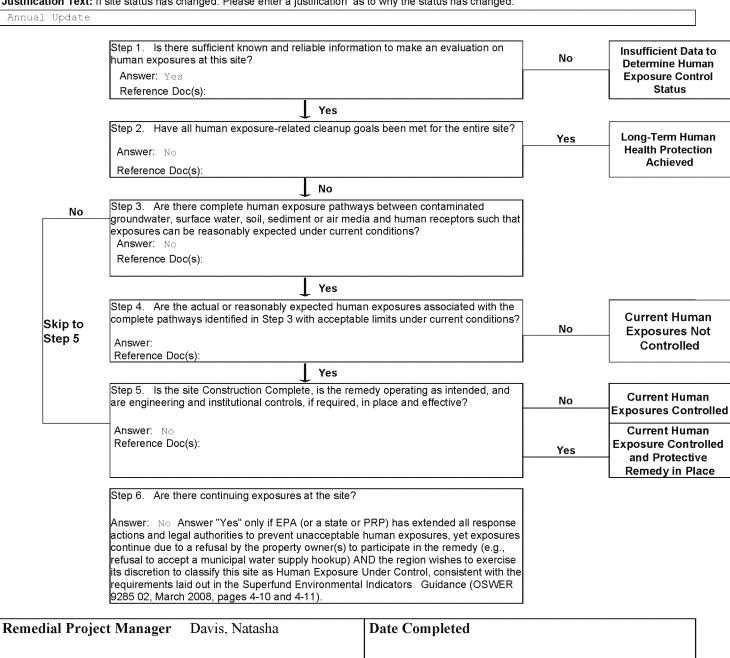
Site Name: AIR FORCE PLANT PJKS

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date: 04/06/17

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/34



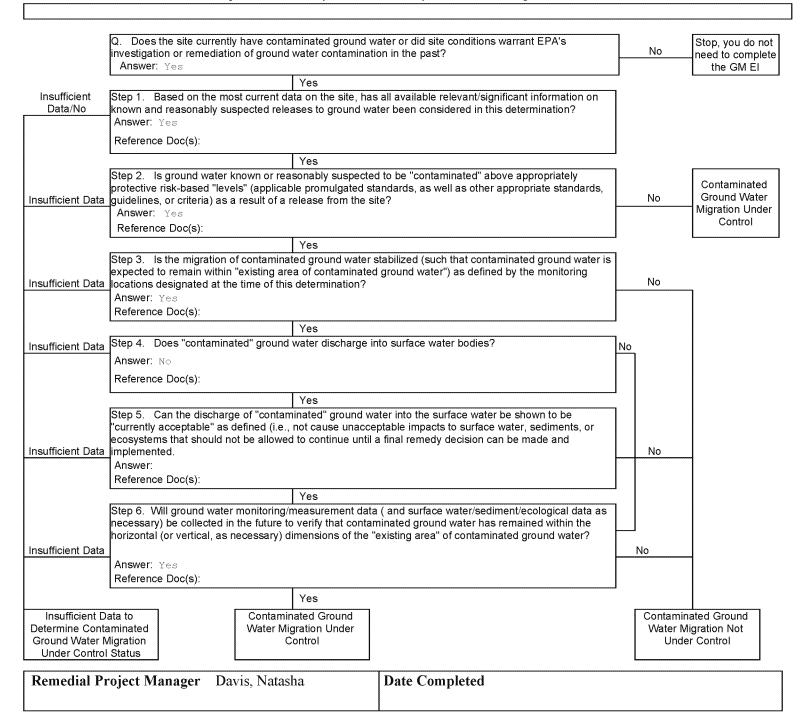
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: AIR FORCE PLANT PJKS EPA ID: CO7570090038

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

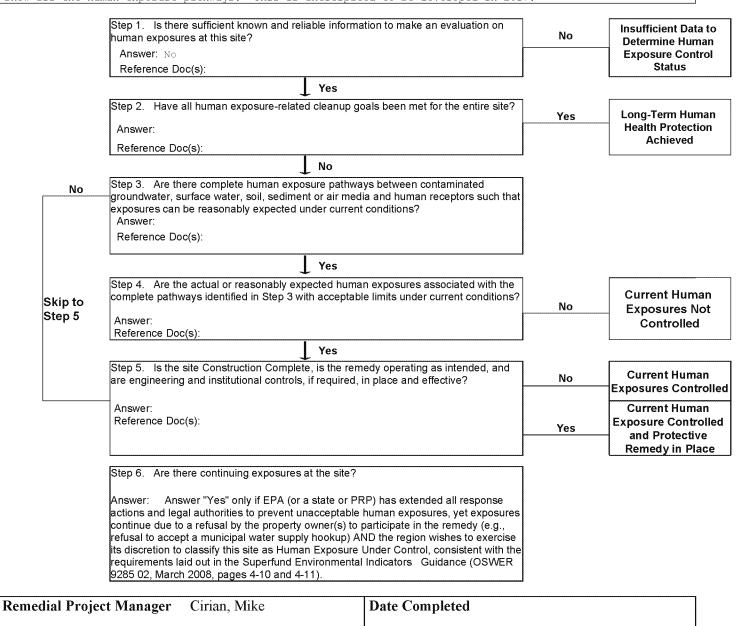
Site Name: ANACONDA ALUMINUM CO COLUMBIA FALLS REDUCTION EPA ID: MTD057561763

HE Survey Status: <u>Insufficient Data to Determine Human Exposure Control Status</u> Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): $\frac{12/31/23}{2}$ Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

An Administrative Order on Consent for RI/FS was recently signed. Field investigations are planned for 2016. Once data has been collected and validated, a conceptual site model will be developed which will show all the human exposure pathways. This is anticipated to be developed in 2017.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

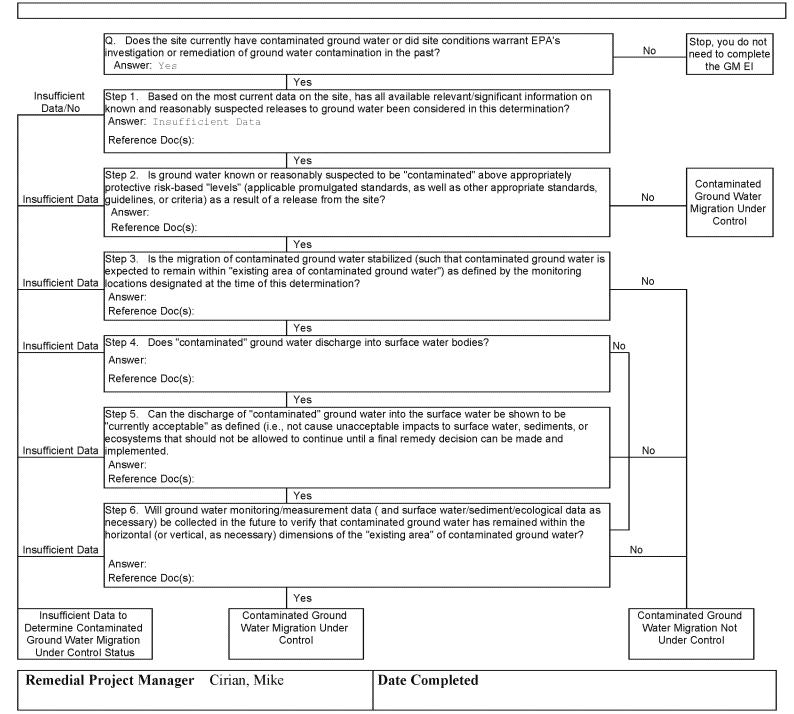
Site Name: ANACONDA ALUMINUM CO COLUMBIA FALLS REDUCTION EPAID: MTD057561763

PLANT

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 12/31/23



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ANACONDA CO. SMELTER

HE Survey Status: Current Human Exposure Not Controlled

EPA ID: MTD093291656

Estimated Under Control Date: 12/31/20

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/20

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Update based on the 2013 CSOU ROD Amendment Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: No Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Coleman, Charles Date Completed

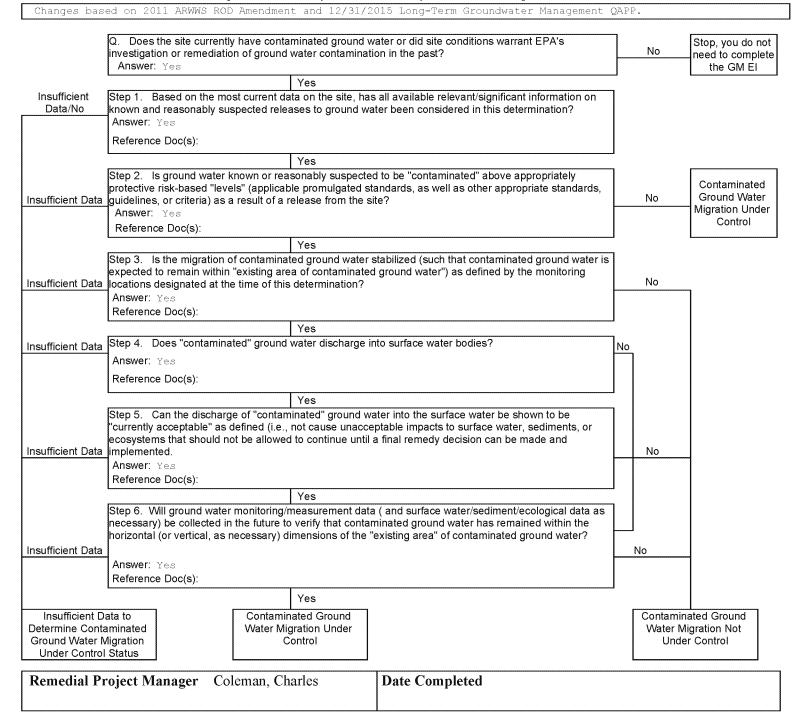
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: ANACONDA CO. SMELTER EPA ID: MTD093291656

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ARSENIC TRIOXIDE SITE

EPA ID: NDD980716963

HE Survey Status: Current Human Exposure Controlled

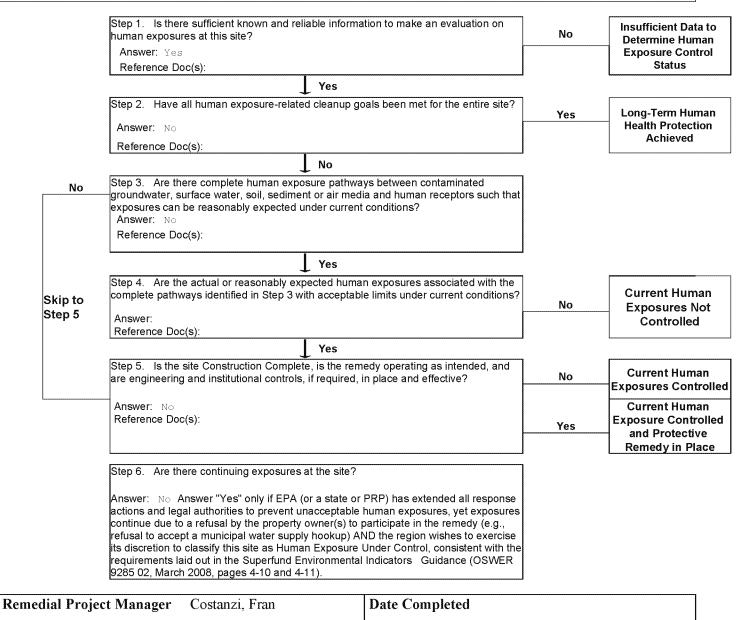
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/19

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Performance standard for Arsenic in drinking water has been lowered, effective January 2006. Rural users whose wells contain arsenic over MCL have been connected to rural water system (unless they refused to allow connection).



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: ARSENIC TRIOXIDE SITE

EPA ID: NDD980716963

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

This is not a typical GW plume. Arsenic contamination will not-can not be dealt with in a typical fashion; GW Individual homes are addressed by a central water distribution system. extraction or treatment. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: No Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Costanzi, Fran **Date Completed**

EPA ID: MT6122307485

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: BARKER HUGHESVILLE MINING DISTRICT

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/31/30

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Absence of permanent residents in close proximity to mine wastes. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Hoogerheide, Roger Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: BARKER HUGHESVILLE MINING DISTRICT EPA ID: MT6122307485

GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 12/31/29

Insufficient Data to

Determine Contaminated

Ground Water Migration

Under Control Status

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Changed as a result of planning future activities in CERCLIS. New dates reflects completion of remedial action at the site. Groundwater is known to exceed ecological risk-based levels (in Galena Creek drainage and upper Dry Fork drainage) and it migrates to surface water. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Insufficient Step 1. Based on the most current data on the site, has all available relevant/significant information on Data/No known and reasonably suspected releases to ground water been considered in this determination? Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data locations designated at the time of this determination? No Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data No Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: No Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes

Remedial Project Manager	Hoogerheide, Roger	Date Completed

Contaminated Ground

Water Migration Under

Control

Contaminated Ground Water Migration Not

Under Control

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: BASIN MINING AREA

EPA ID: MTD982572562

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

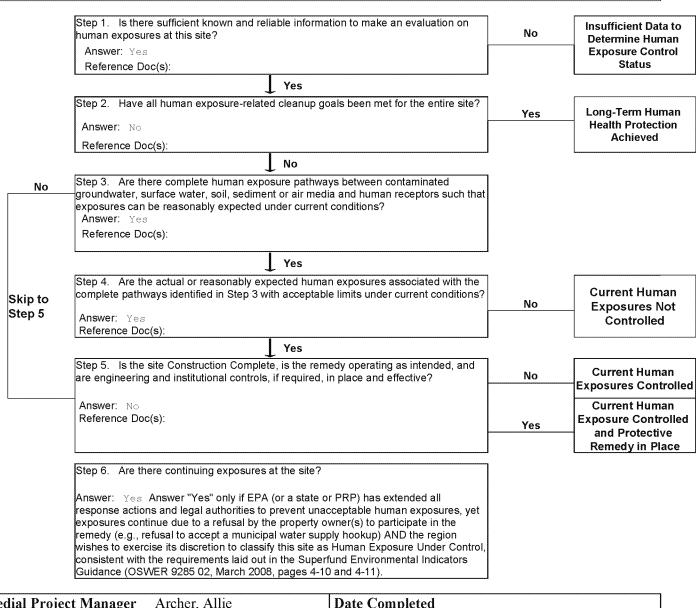
Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 06/30/22

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana Office Director.

People can access contaminated soils and waters in the drainage under a recreational senario.



Remedial Project Manager	Archer, Allie	Date Completed

Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: BASIN MINING AREA EPA ID: MTD982572562

GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 06/30/22

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Office Director. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: No Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Archer, Allie **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: BAXTER/UNION PACIFIC TIE TREATING

EPA ID: WYD061112470

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/00

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Protective remedy in place. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

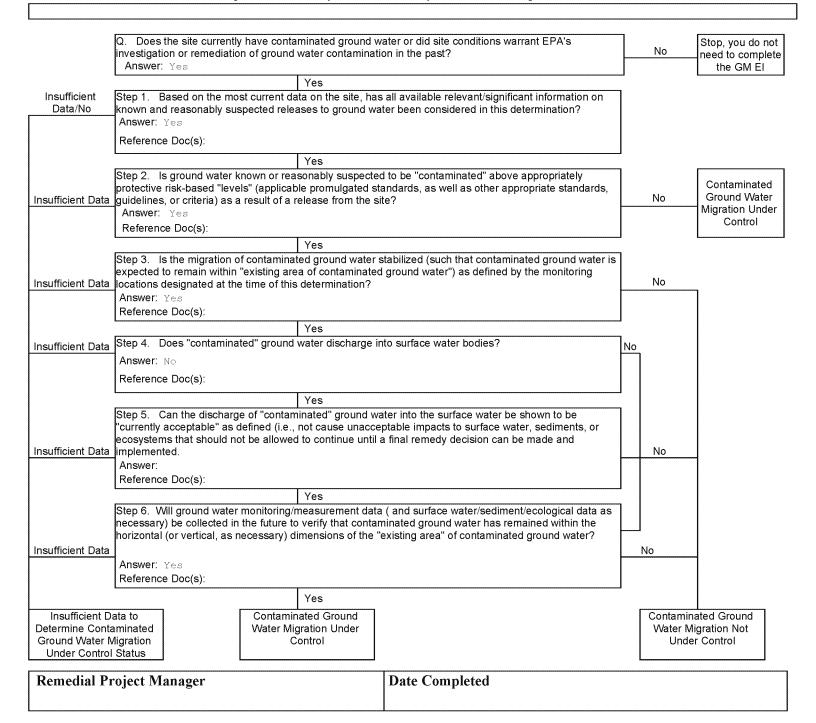
Site Name: BAXTER/UNION PACIFIC TIE TREATING

EPA ID: WYD061112470

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: BONITA PEAK MINING DISTRICT

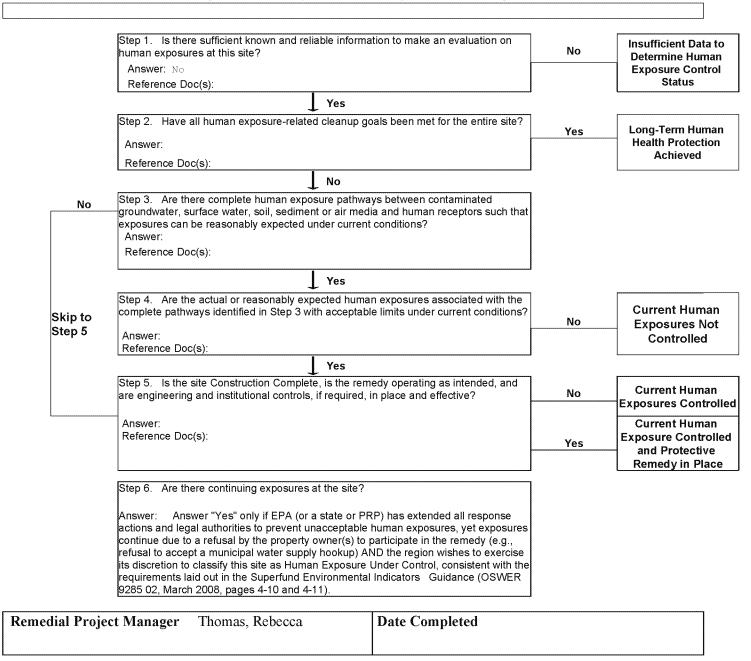
EPA ID: CON000802497

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): $\frac{12/31/18}{12}$

Estimated LTHHP will be Achieved:



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

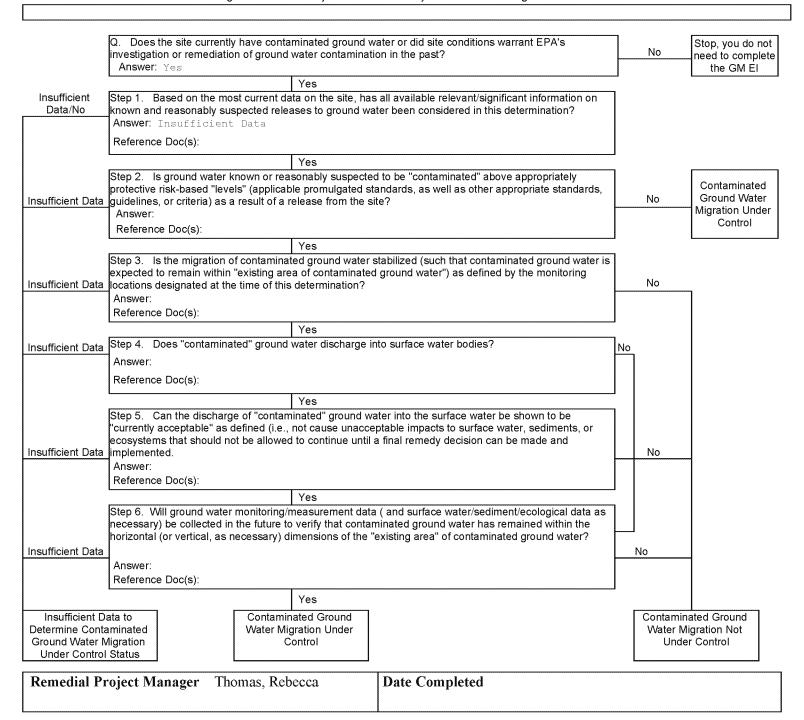
Site Name: BONITA PEAK MINING DISTRICT

EPA ID: CON000802497

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): $\frac{12/31/18}{12}$



EPAID: UT0001119296

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: BOUNTIFUL/WOODS CROSS 5TH S. PCE PLUME

HE Survey Status: Current Human Exposure Controlled

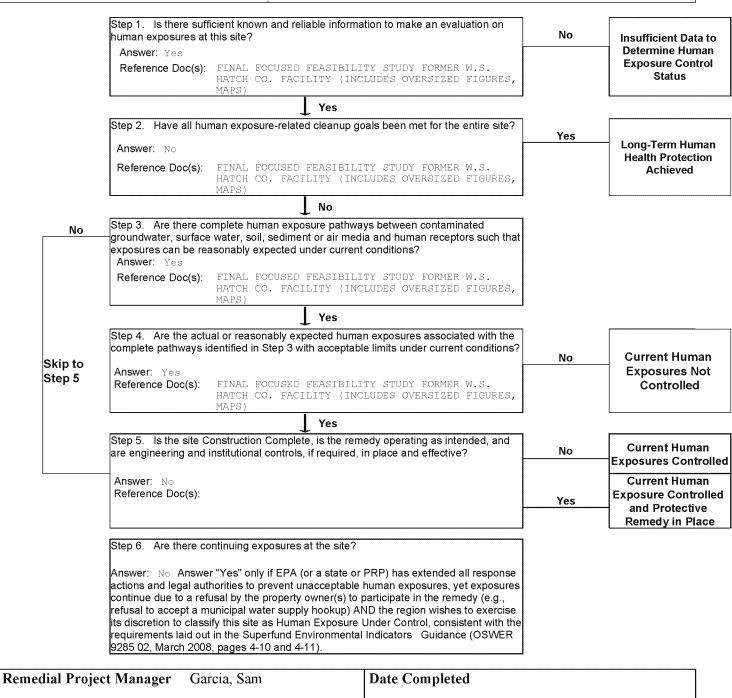
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 06/30/27

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Our assessment is based on the HHRA and RI/FS. These reports are now completed; therefore, we have sufficient data to determine the Human Exposure control status.



The RI identified three sources of contamination PCE, TCE, and MTBE. On OU2, the contaminated groundwater plume has

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: BOUNTIFUL/WOODS CROSS 5TH S. PCE PLUME EPA ID: UT0001119296

GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 09/30/20

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

expanded horizontally. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: No Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Garcia, Sam **Date Completed**

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: BRODERICK WOOD PRODUCTS

EPA ID: COD000110254

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

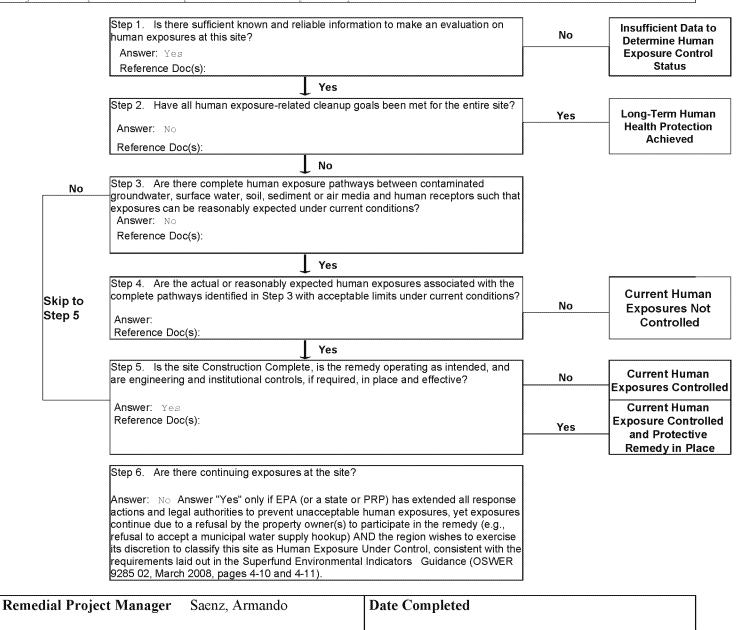
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/35

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Groundwater sampling results have shown that there is no longer unacceptable human exposures. Info did not reflect current situation that groundwater sampling results have shown that there is no longer unacceptable human exposures in the Arapahoe Aquifer.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

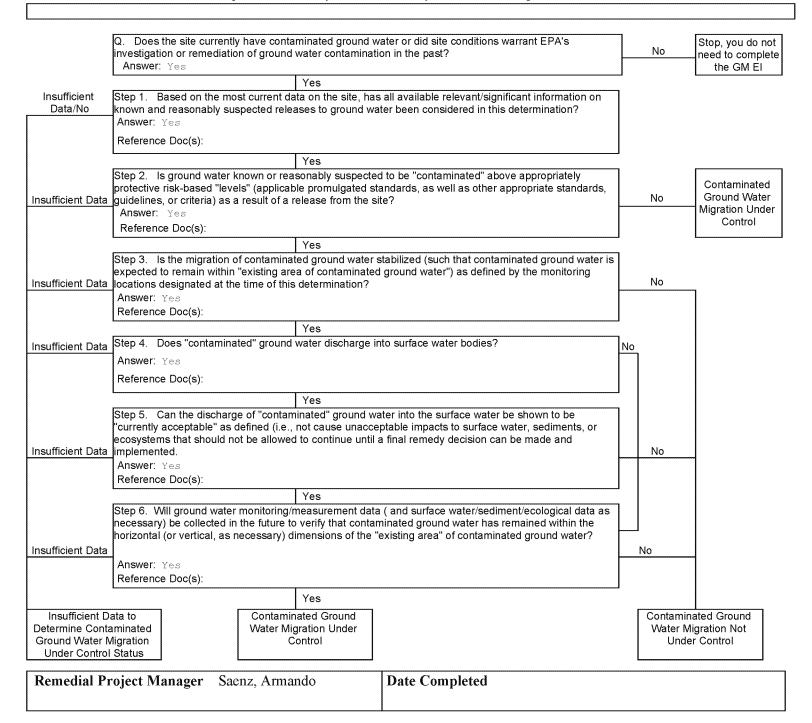
Site Name: BRODERICK WOOD PRODUCTS

EPA ID: COD000110254

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: CALIFORNIA GULCH

EPA ID: COD980717938

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 03/31/21

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/50

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: No Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Kiefer, Linda **Date Completed**

The Sitewide Water Quality OU12 ROD is monitoring remedy with a technical impractical waiver for groundwater.

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: CALIFORNIA GULCH EPA ID: COD980717938

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Conditions are monitored as part of the remedy. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data No limplemented. Answer: Yes Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Kiefer, Linda **Date Completed**

EPA ID: COD981551427

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: <u>CAPTAIN JACK MILL</u>

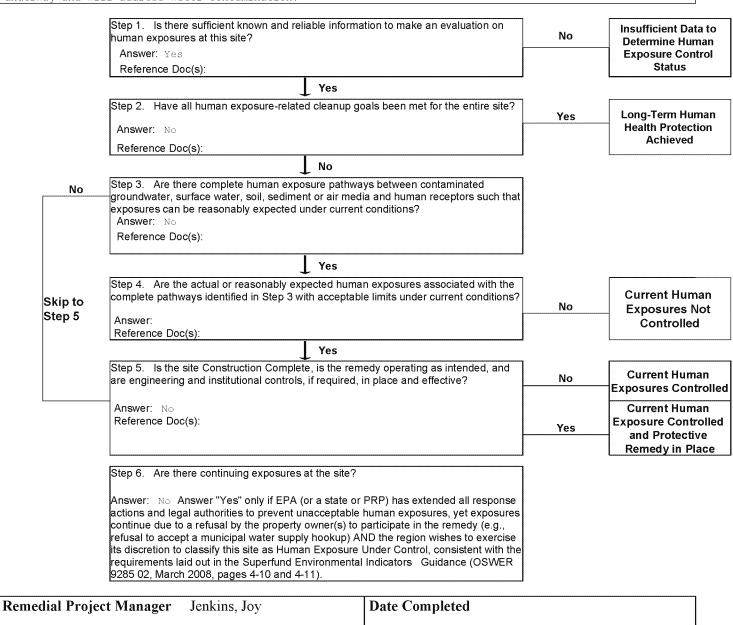
HE Survey Status: <u>Current Human Exposure Controlled</u> Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/21

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

The surface remedy is completed. Exposures due to solid waste are controlled. The sub-surface remedy is underway and will address water contamination.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: CAPTAIN JACK MILL

EPA ID: COD981551427

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/18

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Site is moved from insufficient data to not under controlled due to draft RI with no remedy selected. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Insufficient Data Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Jenkins, Joy **Date Completed**

EPA ID: MT0001096353

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: CARPENTER SNOW CREEK MINING DISTRICT

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 12/31/26

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/26

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

2009 ROD for OU1 required cleanup of residential properties in Neihart. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: No Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Hoogerheide, Roger Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: <u>CARPENTER SNOW CREEK MINING DISTRICT</u> EPA ID: <u>MT0001096353</u>

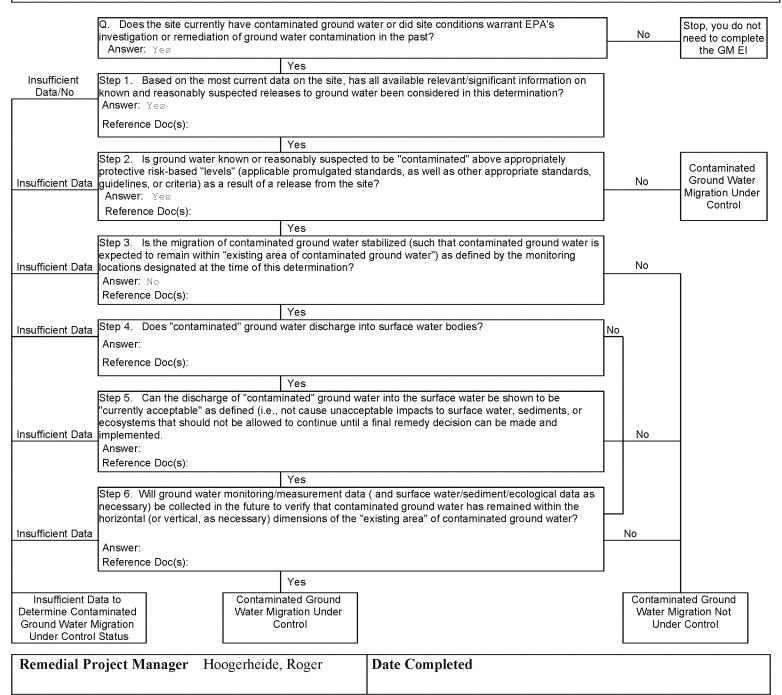
GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 12/31/26

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Changed as a result of planning future activities in CERCLIS. New date reflects completion of remedial action at the site. Ground water is known to exceed ecological risk-based levels (in Carpenter Creek drainage) and it migrates to surface water.



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: CENTRAL CITY, CLEAR CREEK EPA ID: COD980717557

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 09/30/19

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/50

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Data Correction Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: No Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Sims, Leslie **Date Completed**

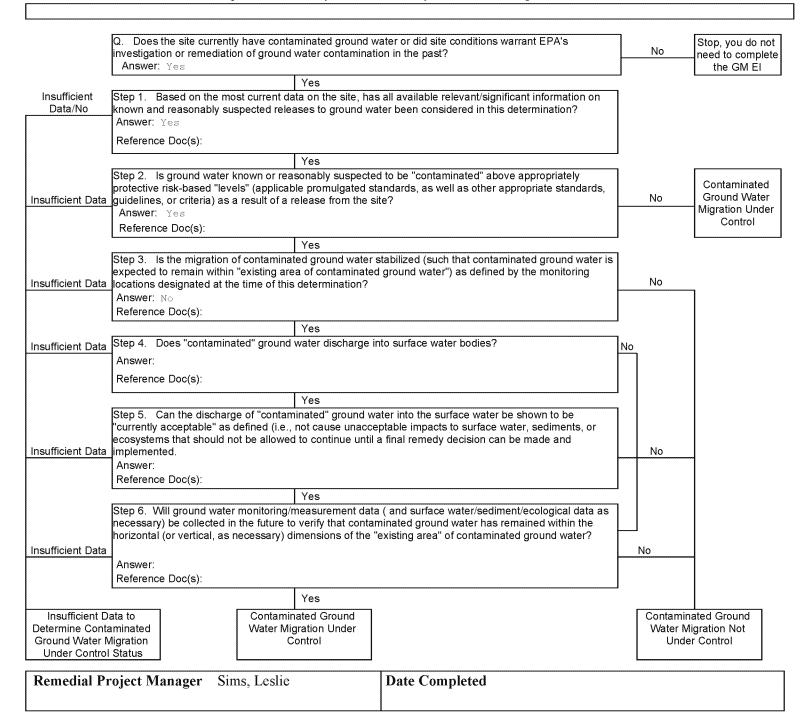
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: CENTRAL CITY, CLEAR CREEK EPA ID: COD980717557

GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 03/31/22

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: CHEMICAL SALES CO.

EPA ID: COD007431620

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/20

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Changes based on 3rd Five Year Report. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Saenz, Armando Date Completed

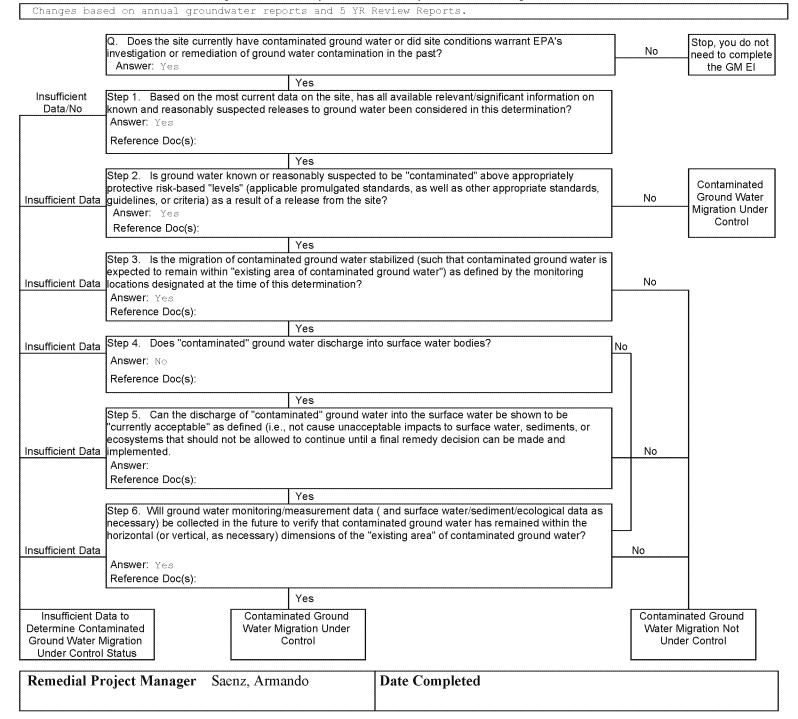
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: CHEMICAL SALES CO. EPA ID: COD007431620

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

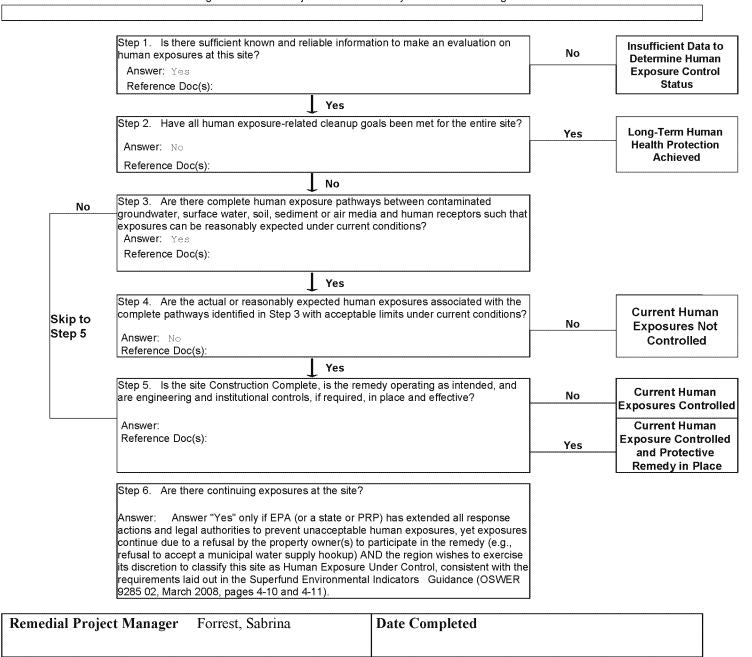
Site Name: COLORADO SMELTER EPA ID: CON000802700

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 03/31/27

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/31/35



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: COLORADO SMELTER EPA ID: CON000802700

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/20

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

RI Work Plan development has been initiated and GW will be investigated. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: No Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the norizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Forrest, Sabrina **Date Completed**

EPA ID: UTD988075719

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: DAVENPORT AND FLAGSTAFF SMELTERS

HE Survey Status: Long-Term Human Health Protection Achieved

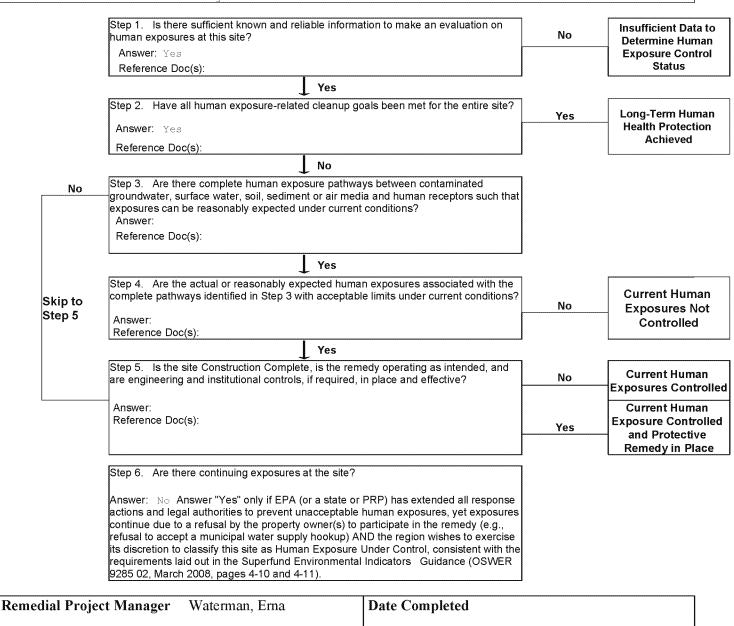
Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/21/16

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

The remedial action for OU2 has been completed and there are no unacceptable human exposures. The only remaining work left on the site is to put institutional controls (IC's) in place so human health exposure will remain controlled in the long term.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

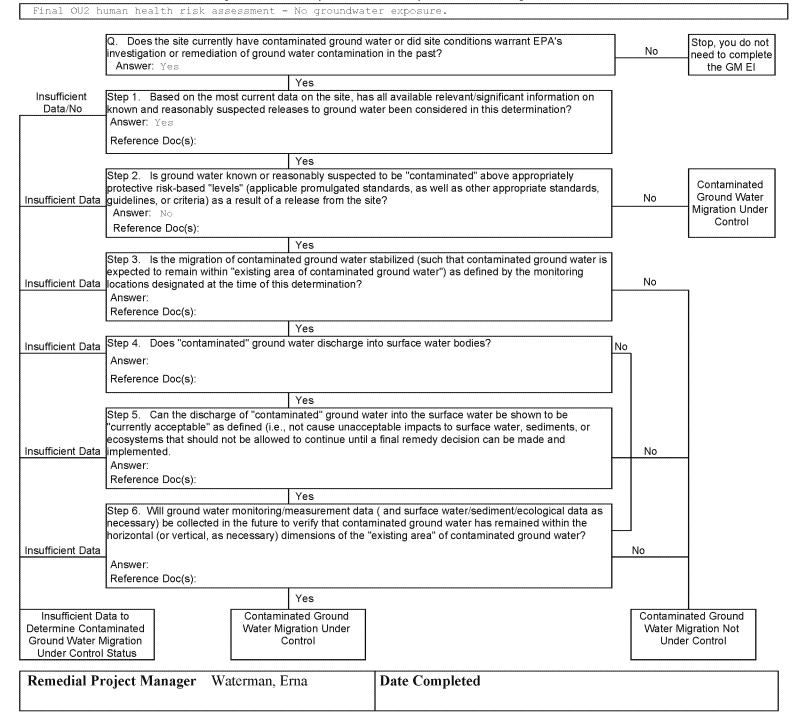
Site Name: DAVENPORT AND FLAGSTAFF SMELTERS

EPA ID: <u>UTD988075719</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPAID: COD980716955

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: DENVER RADIUM SITE

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer Yes **Exposure Control Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Yes Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): **Exposure Controlled** Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Saenz, Armando **Date Completed**

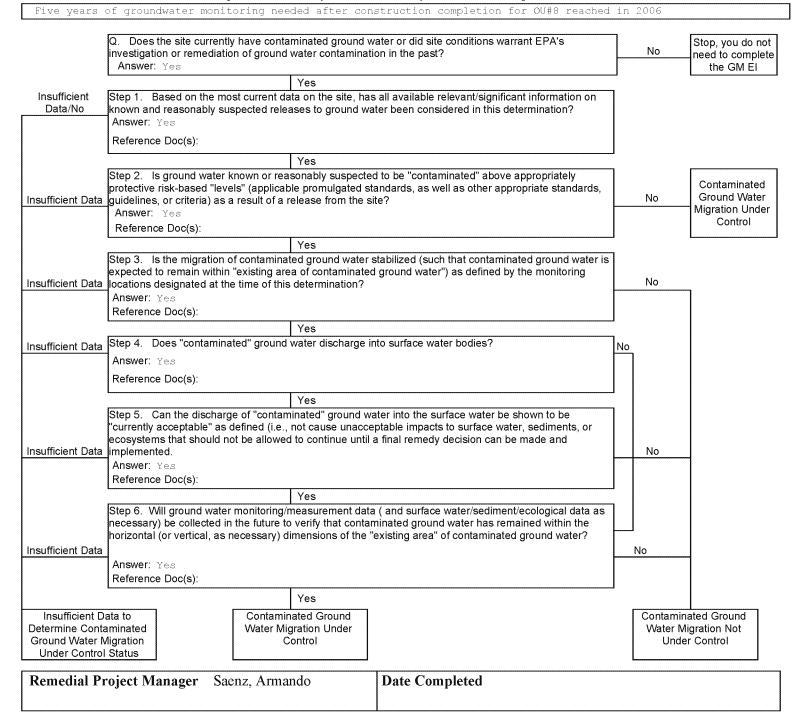
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: DENVER RADIUM SITE EPA ID: COD980716955

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

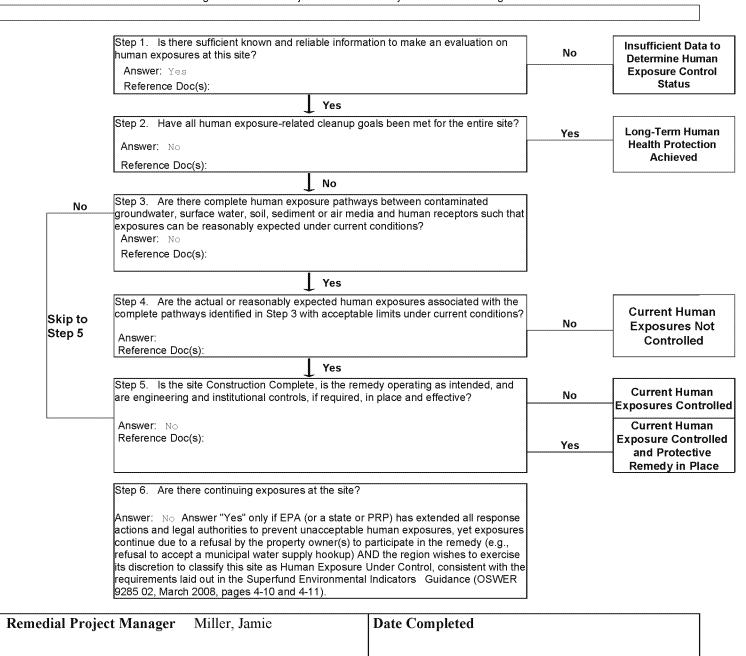
Site Name: EAGLE MINE EPAID: COD081961518

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/31/20



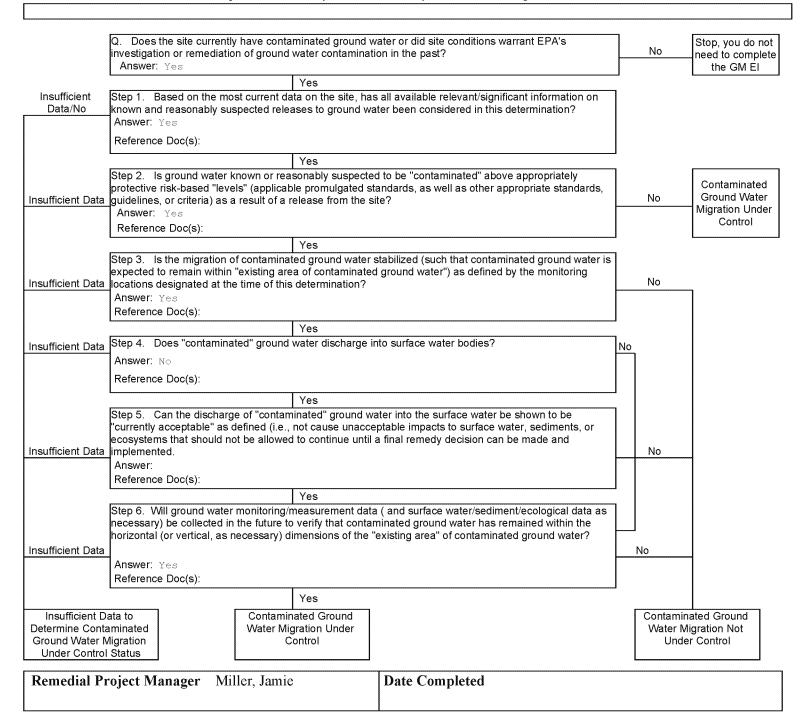
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: EAGLE MINE EPA ID: COD081961518

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: EAST HELENA SITE

EPA ID: MTD006230346

HE Survey Status: Current Human Exposure Controlled

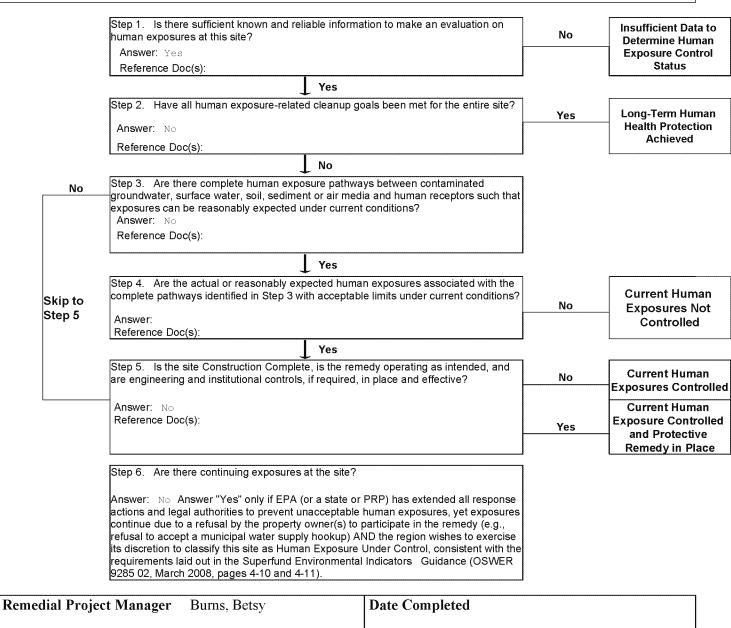
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 06/30/30

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana Office Director.



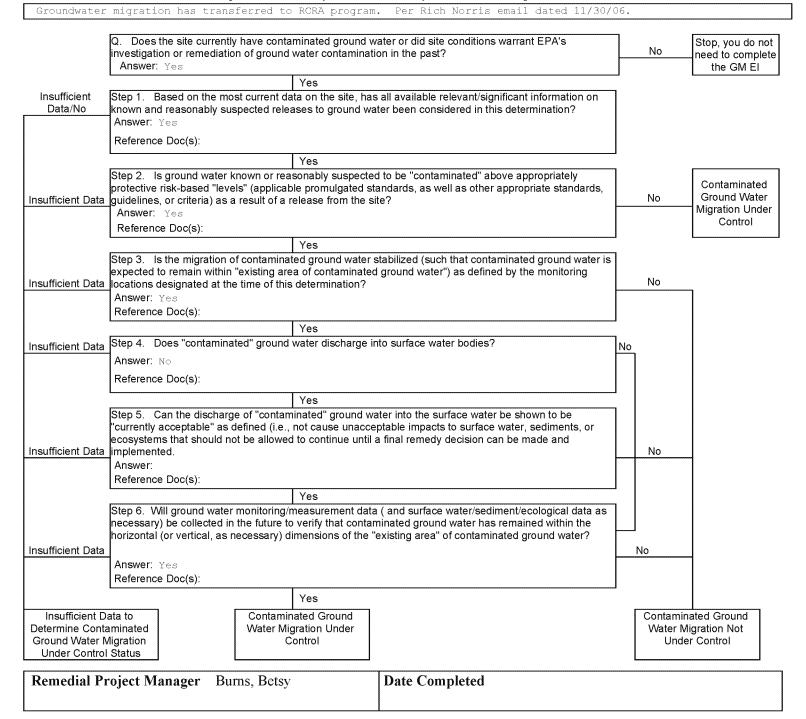
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: EAST HELENA SITE EPA ID: MTD006230346

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date: 03/15/16

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ELLSWORTH AIR FORCE BASE

EPA ID: SD2571924644

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 09/30/18

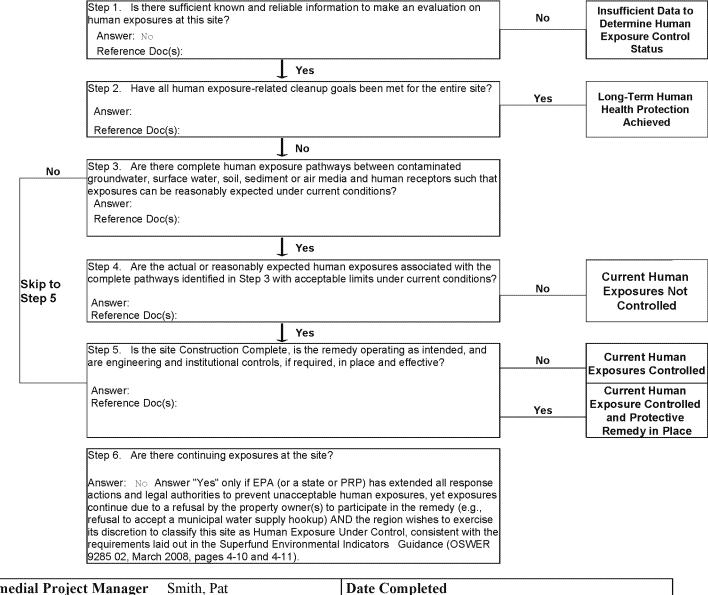
Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

This change in as a result of the 2015 Five Year Reviews. Data gaps: PFCs 1,4 dioxane and perchlorate.

Step 1. Is there sufficient known and reliable information to make an evaluation on human exposures at this site?

No



<u></u>		
Remedial Project Manager	Smith, Pat	Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: ELLSWORTH AIR FORCE BASE

EPA ID: SD2571924644

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 09/30/18

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

This change in as a result of the 2015 Five Year Reviews. Data gaps: PFCS 1,4 dioxane and perchlorate. SEMS document number 1574577.

As of September 2016, there is insufficient information available to determine the Ground Water Migration Under Control status at the Tooele Army Depot Superfund Site, because the groundwater investigation is ongoing. This does not mean that unacceptable exposures are occurring.

Ground water mapping, modeling, and active treatment has taken place under the RCRA permit. A ground water management area is in place, with a buffer zone around the plume. No ground water exposures are taking place. Additional groundwater investigations to evaluate the potential for Monitored Natural Attenuation are expected to be complete by 2020.

	Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past? Answer: Yes			Stop, you do not need to complete the GM EI
	Yes		-	
Insufficient Data/No	Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination? Answer: Insufficient Data			
	Reference Doc(s):			
	Yes			
Insufficient Data	Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site? Answer:			Contaminated Ground Water Migration Under
	Reference Doc(s):			Control
	Yes			
Insufficient Data	Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination? Answer:]
	Reference Doc(s):			
	Yes		l	
Insufficient Data	Step 4. Does "contaminated" ground water discharge into surface water bodies?			
	Answer:			
	Reference Doc(s):			
	Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be			
	"currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or			
Insufficient Data	ecosystems that should not be allowed to continue until a final remedy decision can be made and			
Insumcient Data	implemented. Answer:			
	Reference Doc(s):			
	Yes			
	Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?			
Insufficient Data	A			
	Answer: Reference Doc(s):			
	Yes		ļ	
Insufficient Data to Determine Contaminated Ground Water Migration Under Control Under Control Under Control			Water Mi	L ated Ground gration Not · Control
Remedial P	roject Manager Smith, Pat	Date Completed		

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: EUREKA MILLS

EPA ID: UT0002240158

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

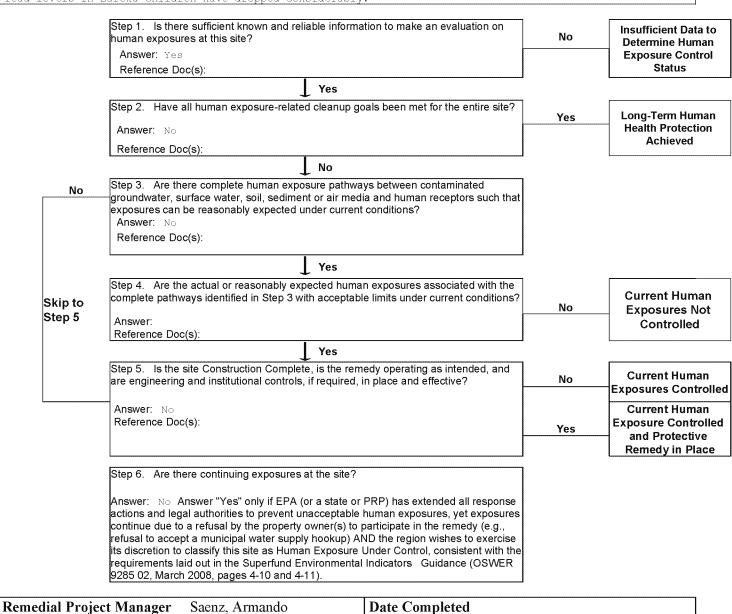
Estimated LTHHP will be Achieved: 12/31/40

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

EPA completed cleanup of all properties within the City of Eureka in October 2010. A total of more than 700 properties have been addressed by remedial and removal programs since 2001. Additionally, construction was completed on the stabilization and capping of thirteen large mine waste areas and construction of sediment ponds and other drainage control features. The capping and construction of these features will prevent surface runoff with elavated concentrations of metals from contaminating cleaned up areas.

In late 2011, a Record of Decision was signed for Operable Unit 4 which documents EPA's selected remedy to address site groundwater, site surface water and ecological risks within undeveloped areas of the site. The remedy calls for no additional active remediation.

Between 2000 and 2008, blood sampling identified approximately 50 children with elevated blood-lead levels. Public health actions included information programs, periodic blood-lead testing of children, and a program for evaluating sources of indoor lead exposure. Recent blood test results indicate that the lead levels in Eureka children have dropped considerably.



The June 2010 RI for this OU has been completed. Contaminants in the groundwater do not exceed MCLs or ALs.

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: EUREKA MILLS EPA ID: UT0002240158

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Insufficient Step 1. Based on the most current data on the site, has all available relevant/significant information on Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Operable Unit 4 Groundwater, Surface Water, and Ecological Risk Remedial Investigation Report Express Link CD with attachments. Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Contaminated No Insufficient Data quidelines, or criteria) as a result of a release from the site? Ground Water Migration Under Answer: No Control Reference Doc(s): Operable Unit 4 Groundwater, Surface Water, and Ecological Risk Remedial Investigation Report Express Link CD with attachments. Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data locations designated at the time of this determination? No Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Nο Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. Νo Answer Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager **Date Completed** Saenz, Armando

EPAID: WY5571924179

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: F.E. WARREN AIR FORCE BASE

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/18

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Davis, Natasha **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

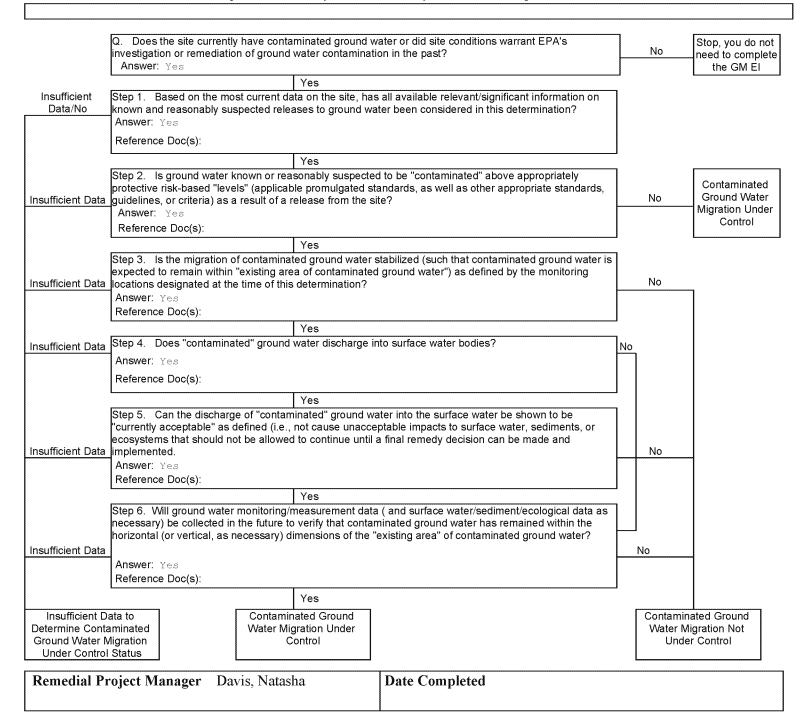
Site Name: F.E. WARREN AIR FORCE BASE

EPA ID: WY5571924179

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: UTN000802654

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: FIVE POINTS PCE PLUME

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/23

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

There is sufficient data to determine human exposure control status. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Garcia, Sam **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: FIVE POINTS PCE PLUME EPA ID: UTN000802654

GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 09/30/23

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

The RI/FS is completed. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Insufficient Step 1. Based on the most current data on the site, has all available relevant/significant information on Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring No Insufficient Data locations designated at the time of this determination? Answer: No Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Garcia, Sam **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: FLAT CREEK IMM

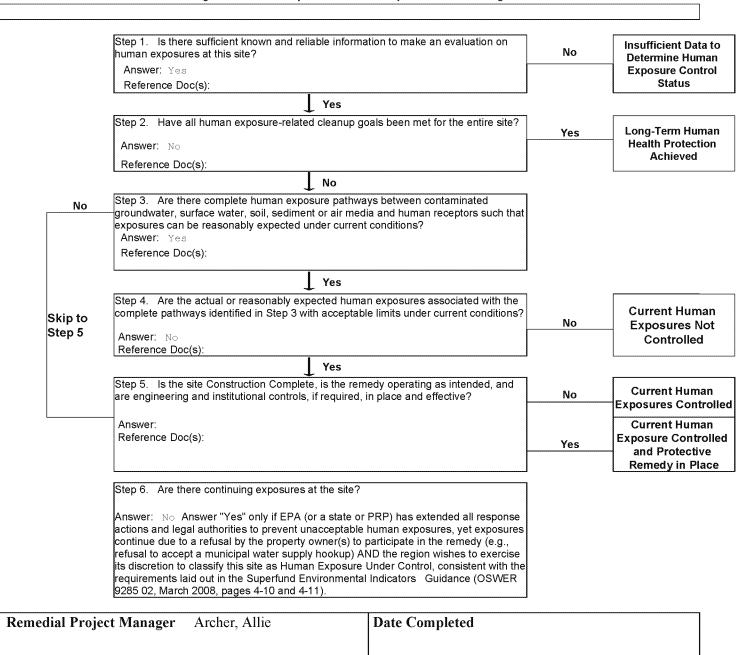
EPA ID: MT0012694970

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 03/31/23

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/31/23



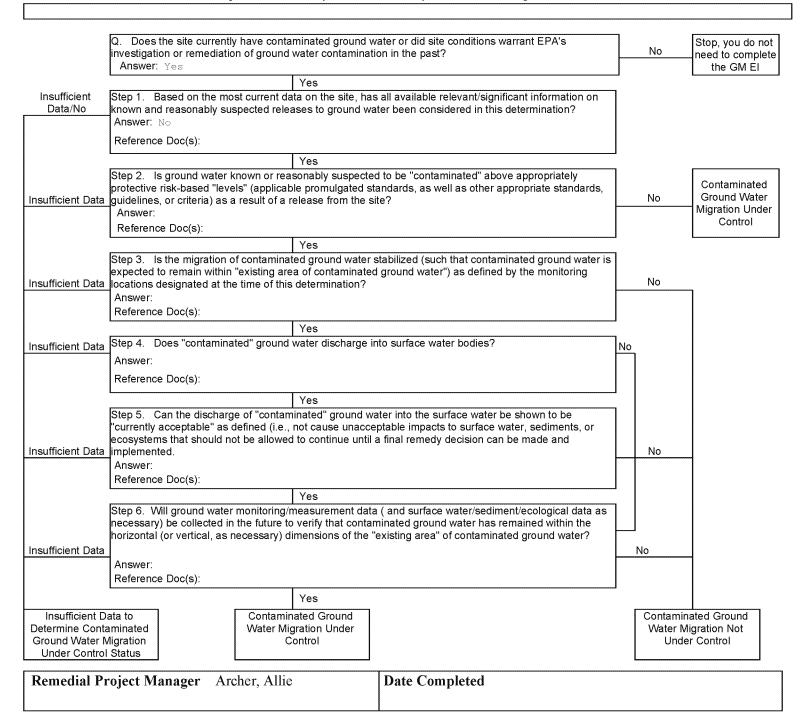
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: FLAT CREEK IMM EPA ID: MT0012694970

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 12/31/22



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: GILT EDGE MINE EPAID: SDD987673985

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/21

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Surface remedy at OU1 RA is beginning in 2016. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Jenkins, Joy **Date Completed**

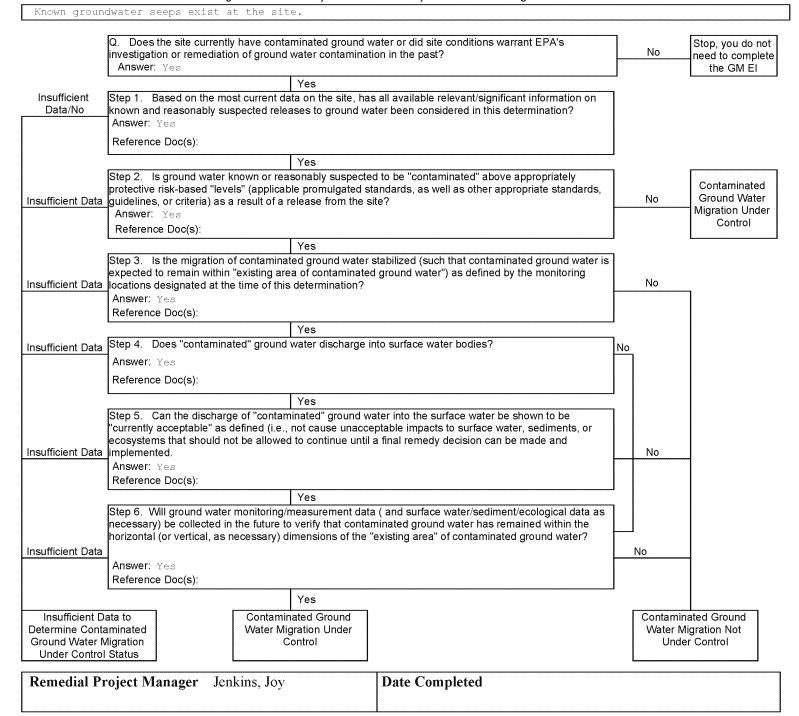
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: GILT EDGE MINE EPA ID: SDD987673985

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

EPA ID: UT0571724350 Site Name: HILL AIR FORCE BASE

HE Survey Status: Current Human Exposure Not Controlled

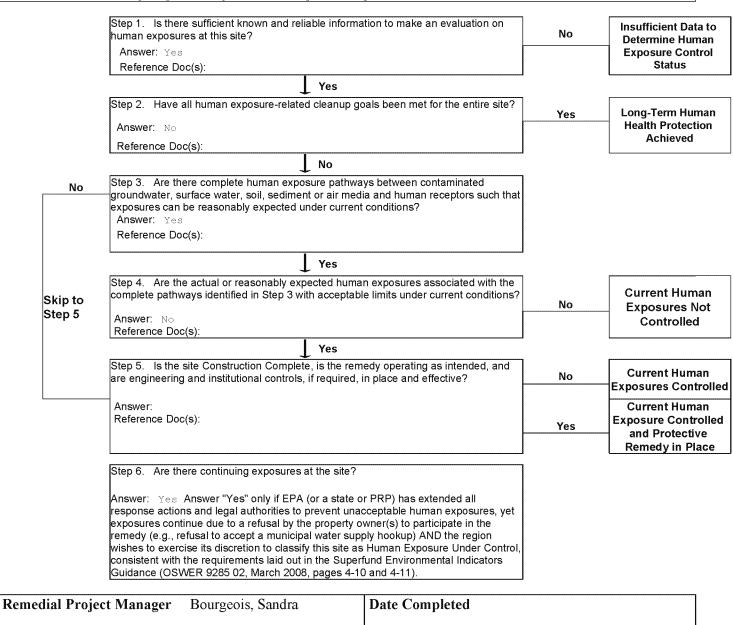
Estimated Under Control Date: 09/30/19

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/19

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Basewide Indoor Air Sampling is ongoing. Vapor removal systems have been installed and based on the results of future sampling more vapor removal systems may be installed.



ED_002345C_00009006-00057

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

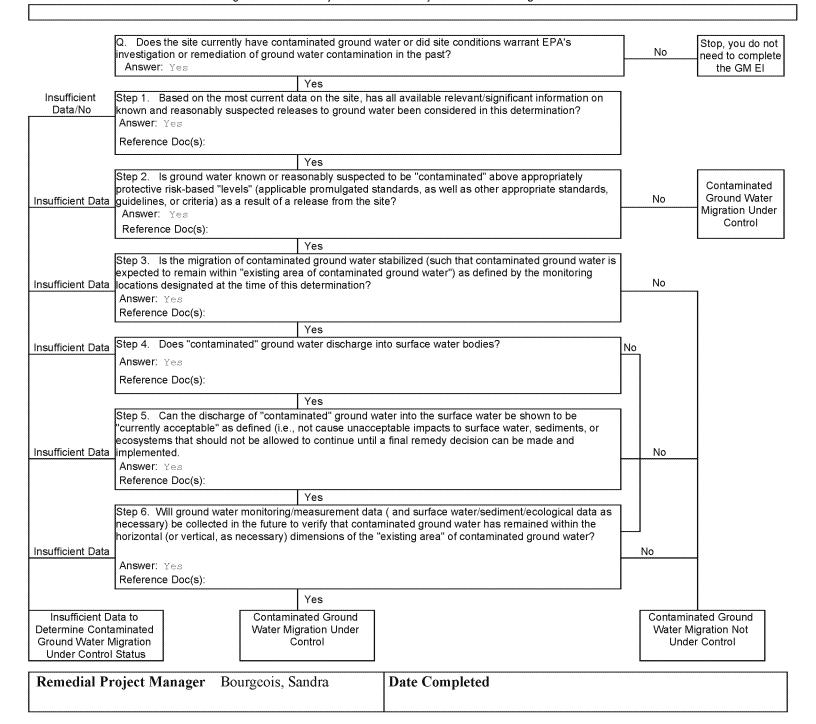
Site Name: HILL AIR FORCE BASE

EPA ID: UT0571724350

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site. EPA ID: MTD006232276 Site Name: IDAHO POLE CO.

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/22

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Change resulted in the 2015 Five Year Review. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Hoogerheide, Roger Date Completed

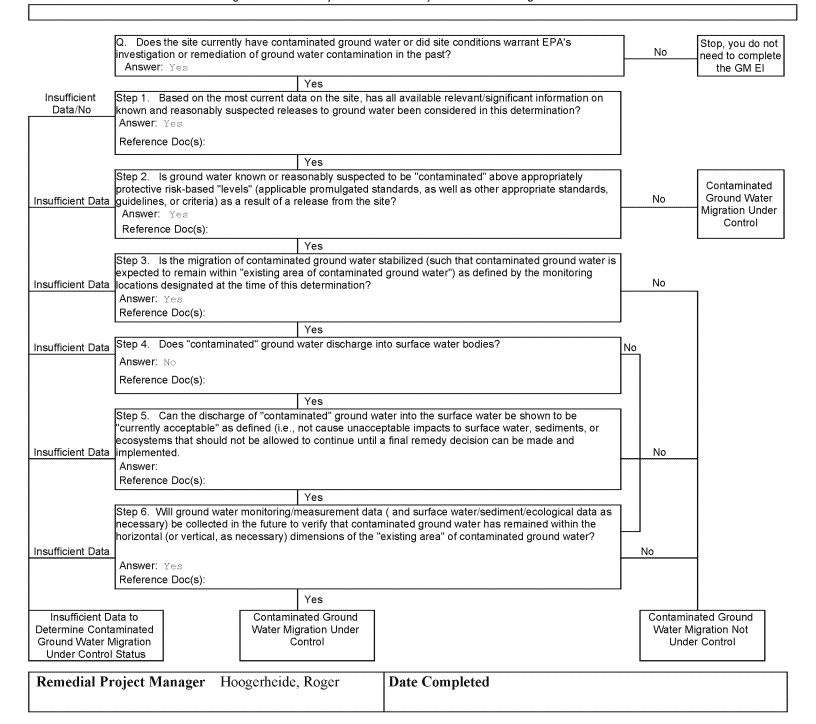
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: IDAHO POLE CO. EPA ID: MTD006232276

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: INTERMOUNTAIN WASTE OIL REFINERY

EPA ID: <u>UT0001277359</u>

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/14

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Groundwater contamination under MCLs for over 6 months. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Waterman, Erna **Date Completed**

Groundwarter sampling is below MCLs. There has not been 6 consecutive months of sampling below MCLs as required by

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: INTERMOUNTAIN WASTE OIL REFINERY

EPA ID: UT0001277359

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

O&M plan in order to shut down system. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: No Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Waterman, Erna **Date Completed**

EPA ID: UTD093120921

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: INTERNATIONAL SMELTING AND REFINING

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/21/16

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Site has been deleted from the NPL. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Yes Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Waterman, Erna Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

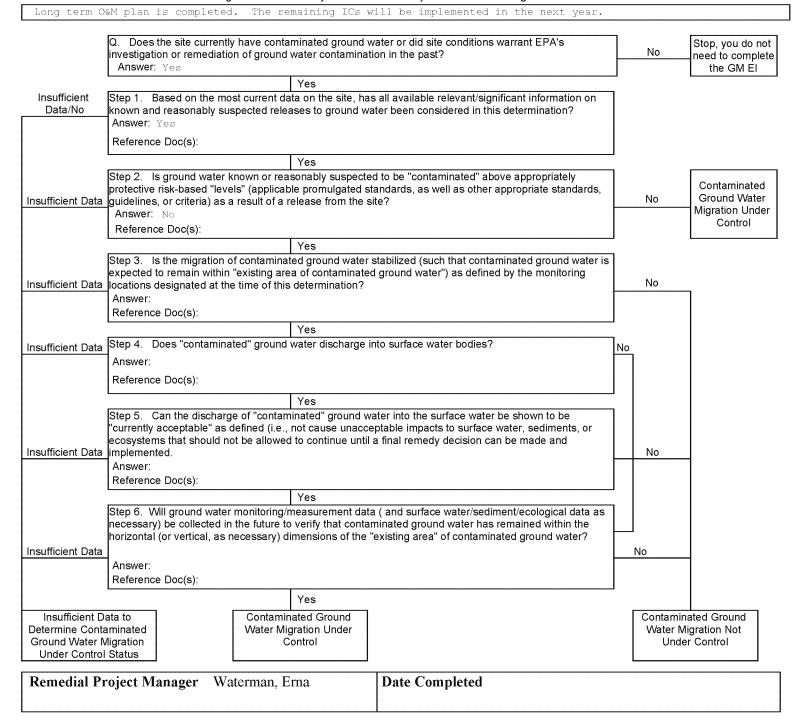
Site Name: <u>INTERNATIONAL SMELTING AND REFINING</u>

EPA ID: <u>UTD093120921</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: <u>JACOBS SMELTER</u>

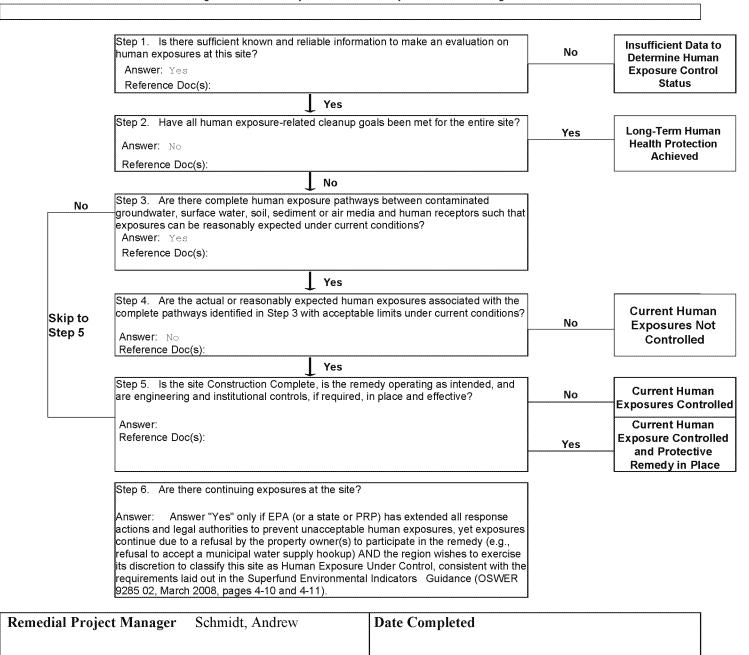
EPA ID: <u>UT0002391472</u>

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 09/30/22

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/22



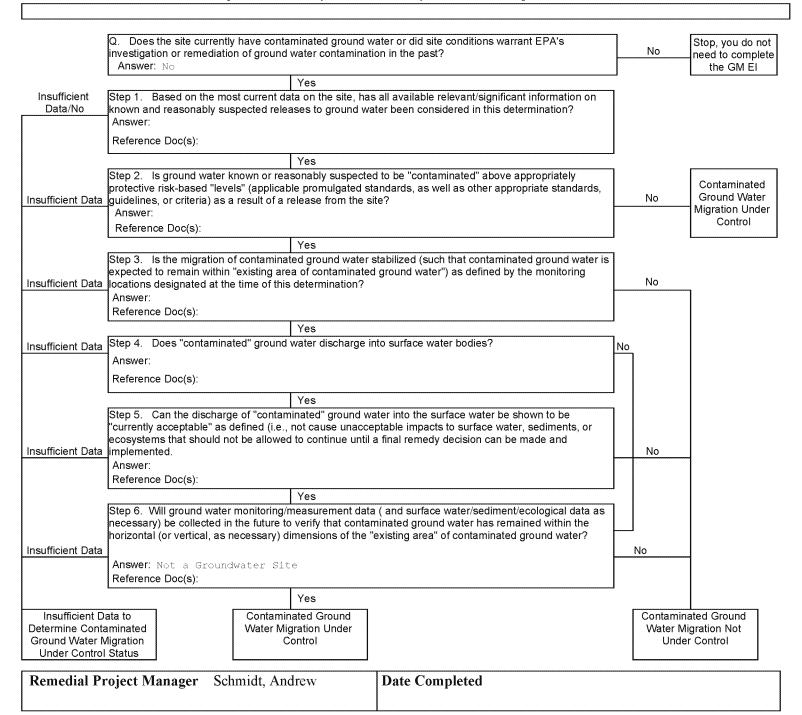
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: <u>JACOBS_SMELTER</u> EPA ID: <u>UT0002391472</u>

GW Survey Status: <u>Not a GW Site</u>

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: UTD070926811

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: KENNECOTT (NORTH ZONE)

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date: 03/07/16

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 06/30/26

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Yes Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: No Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Fiedler, Kerri **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: <u>KENNECOTT (NORTH ZONE)</u> EPA ID: <u>UTD070926811</u>

GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 06/30/26

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed.

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring No Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: No Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Fiedler, Kerri **Date Completed**

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: KENNECOTT (SOUTH ZONE)

EPA ID: UTD000826404

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/10

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

HE is under control and protective remedy in place. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Fiedler, Kerri **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: KENNECOTT (SOUTH ZONE)

EPA ID: <u>UTD000826404</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: No Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Fiedler, Kerri **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site. Site Name: LIBBY ASBESTOS SITE EPA ID: MT0009083840

HE Survey Status: Current Human Exposure Not Controlled

Estimated Under Control Date: 12/31/20

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/20

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Yes Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: No Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Zinner, Dania **Date Completed**

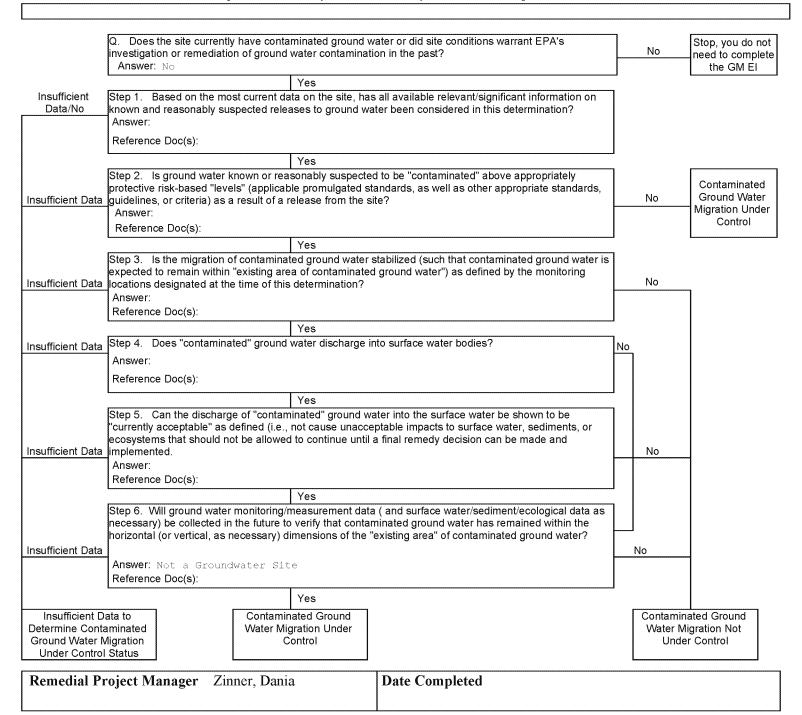
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: LIBBY ASBESTOS SITE EPA ID: MT0009083840

GW Survey Status: <u>Not a GW Site</u>

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: MTD980502736

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: LIBBY GROUND WATER CONTAMINATION

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/30

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Change estimated Long-Term Human Health Protected date. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Schmidt, Andrew **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

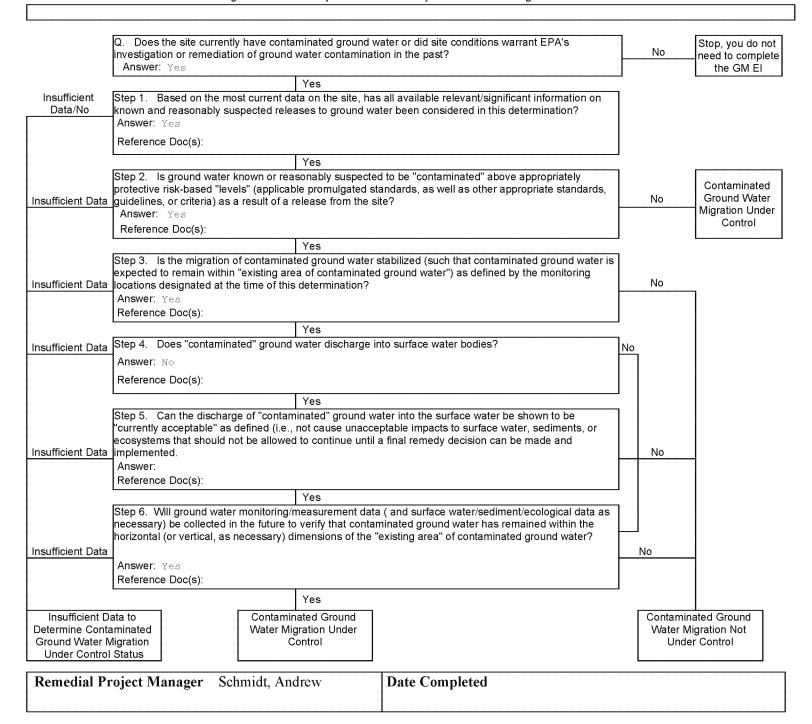
Site Name: LIBBY GROUND WATER CONTAMINATION

EPA ID: MTD980502736

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: LINCOLN PARK EPA ID: COD042167858

HE Survey Status: Current Human Exposure Controlled

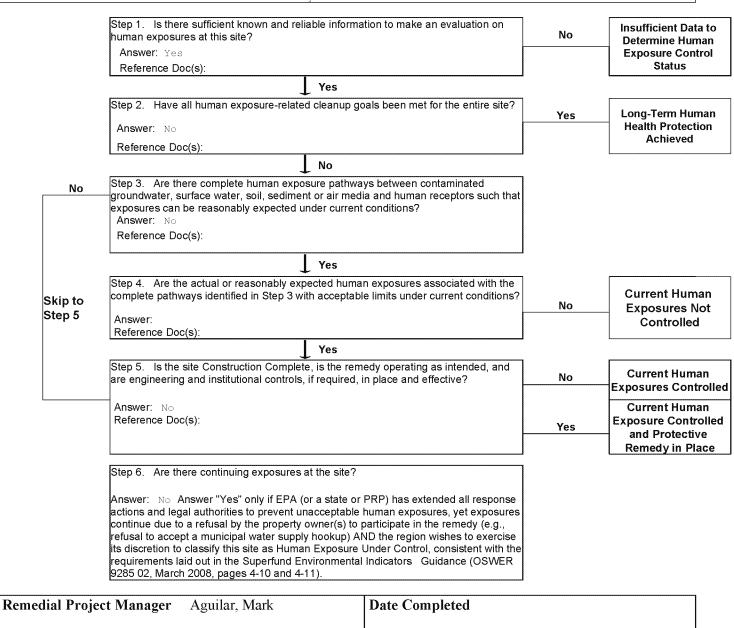
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/17

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Soil remediation in Lincoln Park completed. No exposure pathway to contaminated GW. Active mill facility will be decommisioned in accordance with NRC requirements when license is terminated.



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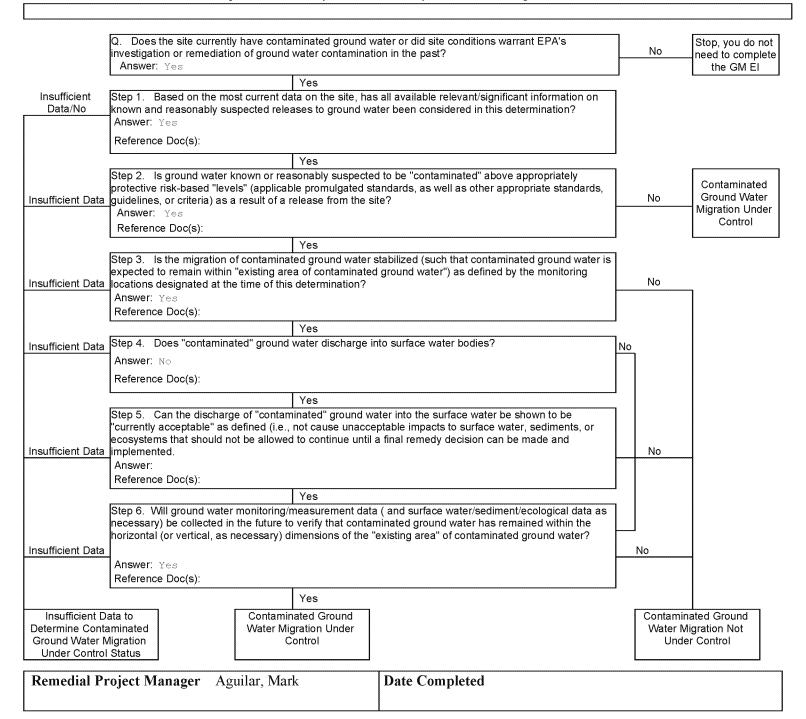
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: LINCOLN PARK EPA ID: COD042167858

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: MT0007623052

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: LOCKWOOD SOLVENT GROUND WATER PLUME

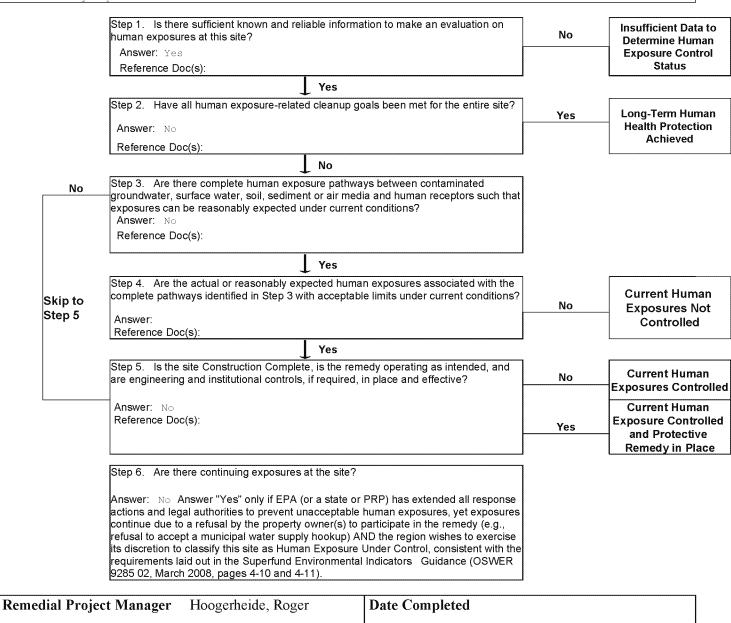
HE Survey Status: <u>Current Human Exposure Controlled</u> Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/23

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Municipal water supply and indoor air vapor mitigation measures taken. Worker exposures not considered to be reasonably expected.



Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana

EPA ID: MT0007623052

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: LOCKWOOD SOLVENT GROUND WATER PLUME

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Office Director. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data No implemented. Answer: Yes Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated **Ground Water Migration** Control Under Control Under Control Status Remedial Project Manager Hoogerheide, Roger **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human

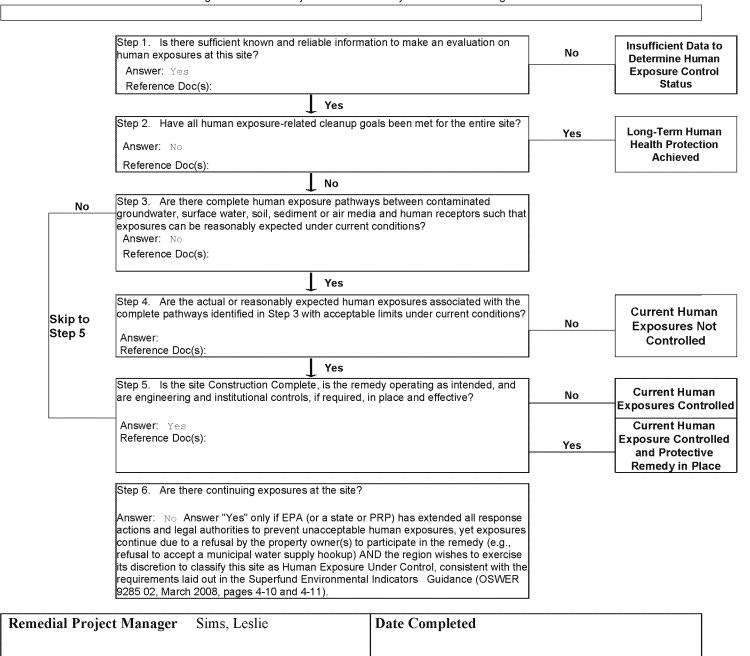
health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site. EPA ID: COD980499248 Site Name: LOWRY LANDFILL

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/29



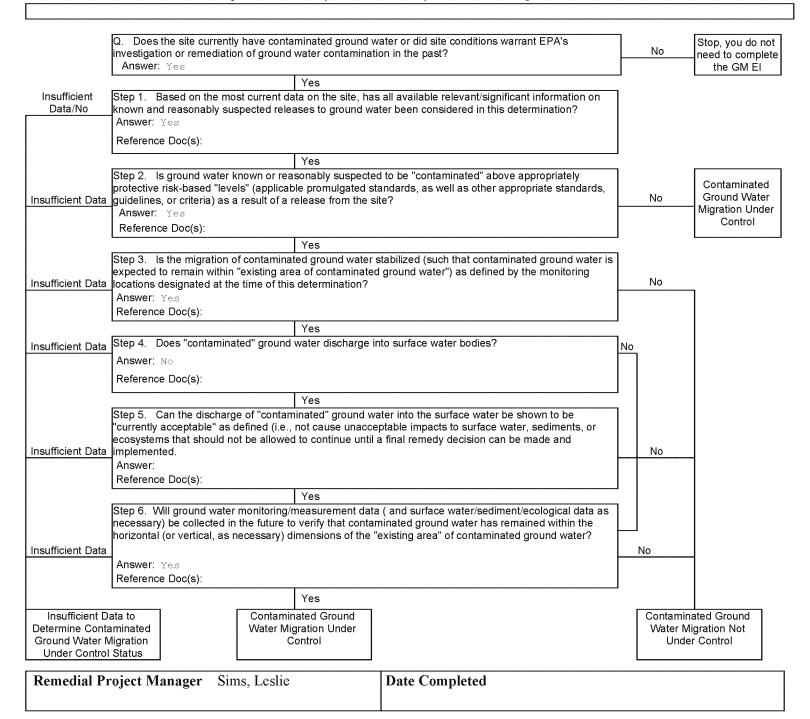
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: LOWRY LANDFILL EPA ID: COD980499248

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MARSHALL LANDFILL EPAID: COD980499255

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

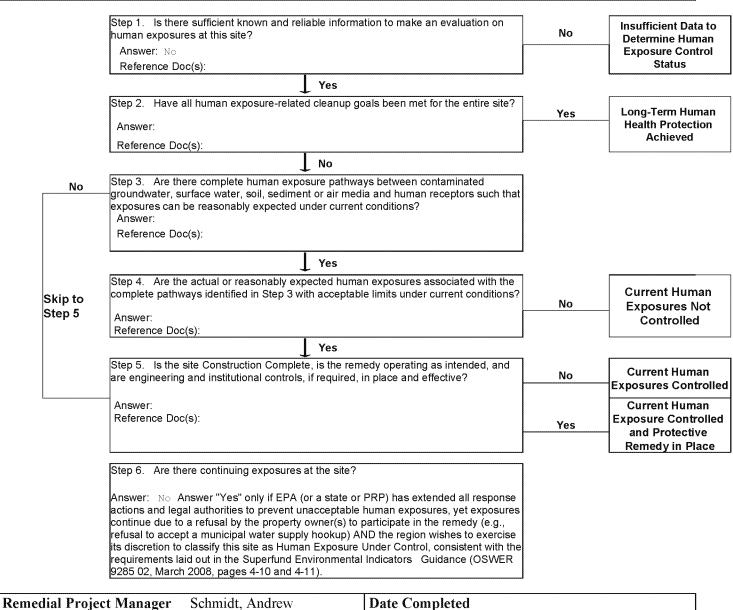
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 03/31/17

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Due to emerging contaminate issue (1,4-Dioxane), additional groundwater wells were installed and additional data was collected. The new wells raised questions about the ground water flow pathways.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MARSHALL LANDFILL

EPA ID: COD980499255

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/17

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Due to emerging contaminate issue (1,4-Dioxane), additional groundwater wells were installed and additional data was collected. The new wells raised questions about the ground water flow pathways Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Insufficient Data Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Schmidt, Andrew **Date Completed**

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MIDVALE SLAG

EPA ID: UTD081834277

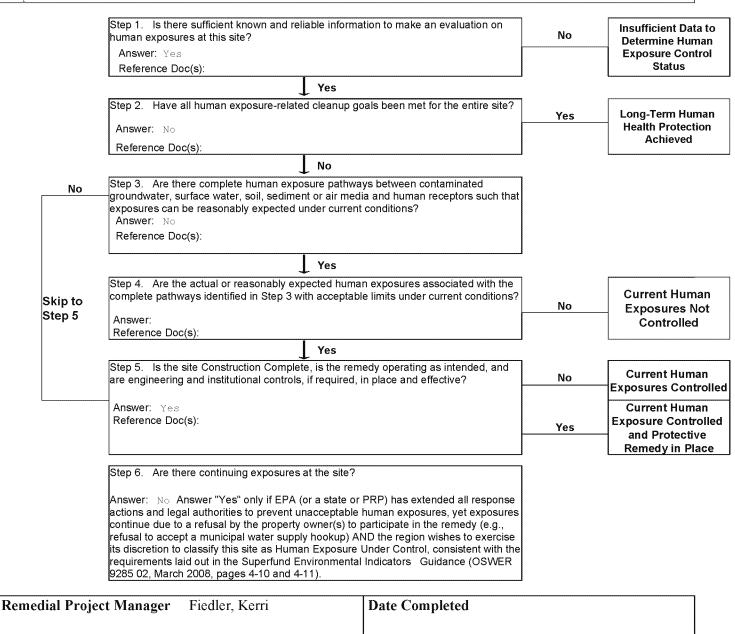
HE Survey Status: <u>Current Human Exposure Controlled and Protective Remedy in Place</u> Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 06/30/29

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

There are currently no uncontrolled human exposure at the Midvale Slag site. The remedial action began on OU2 in February 2005. This RA is complete, with the final walk through conducted on June 26, 2006. The final ICs for development are incorporated into Midvale City's ordinances. The ready for reuse is completed.



inch diameter groundwater wells were installed to depths ranging from 10 to 109 feet. This network of wells were

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MIDVALE_SLAG EPA ID: UTD081834277

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

required to meet objectives in the Midvale OU2 ROD and the groundwater monitoring plan (2004). Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not investigation or remediation of ground water contamination in the past? No need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data No limplemented. Answer: Yes Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Fiedler, Kerri **Date Completed**

EPA ID: MTD980717565

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MILLTOWN RESERVOIR SEDIMENTS

HE Survey Status: Current Human Exposure Controlled

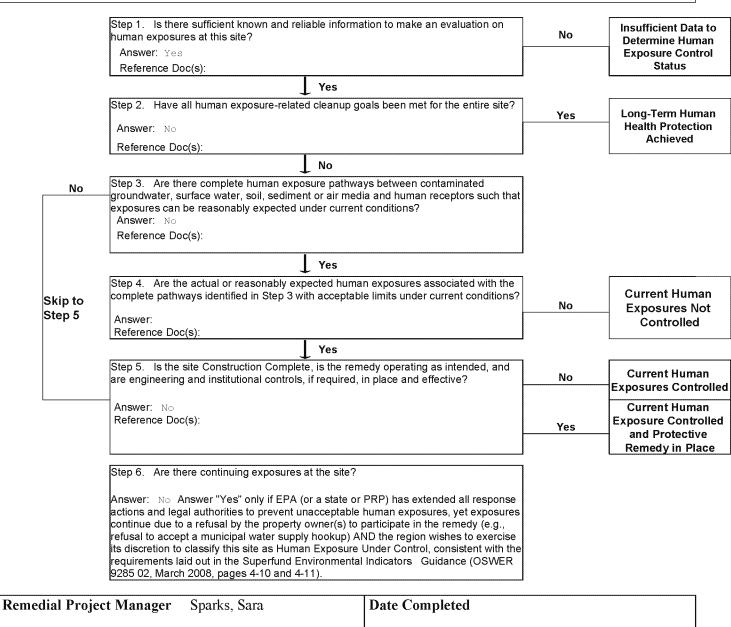
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/26

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana Office Director.



Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MILLTOWN RESERVOIR SEDIMENTS

EPA ID: MTD980717565

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Office Director. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data No implemented. Answer: Yes Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Sparks, Sara **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MINOT LANDFILL EPA ID: NDD980959548

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

No exposure pathway affecting human health. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer: Yes **Exposure Control Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Yes Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): **Exposure Controlled** Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Costanzi, Fran **Date Completed**

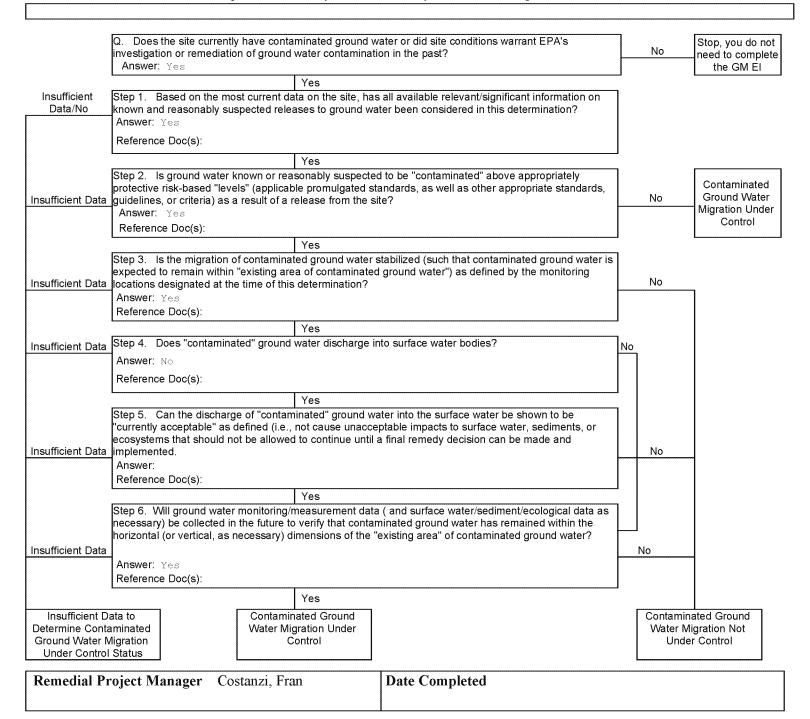
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MINOT LANDFILL EPA ID: NDD980959548

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MONTANA POLE AND TREATING

EPA ID: MTD006230635

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/28

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Change the estimated long-term human health protected date. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Archer, Allie Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

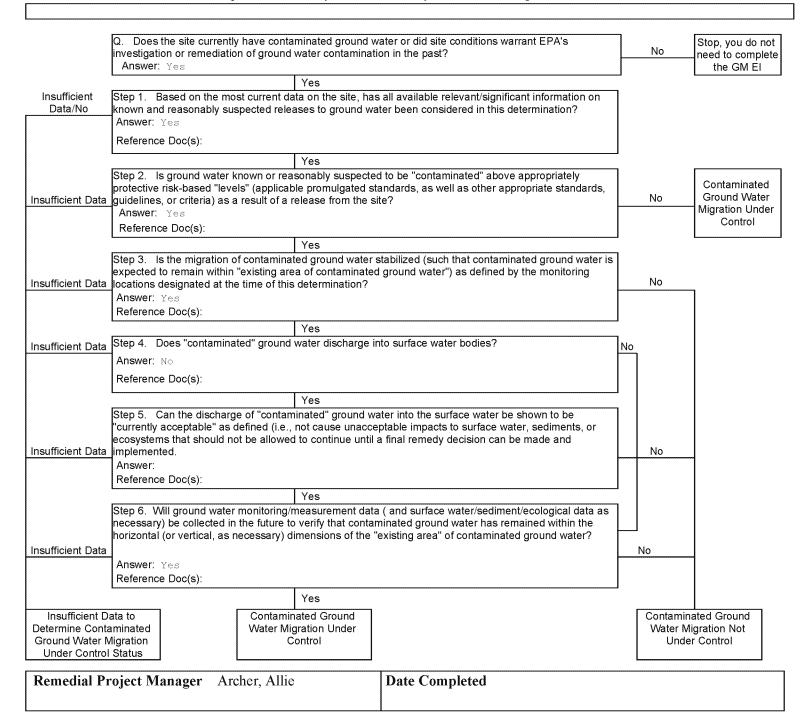
Site Name: MONTANA POLE AND TREATING

EPA ID: MTD006230635

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MONTICELLO MILL TAILINGS (USDOE)

EPA ID: <u>UT3890090035</u>

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/45

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

The remedy is operating as intended per OU3 ESD, 2009 Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated Nο groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? Current Human Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Yes Current Human Reference Doc(s): MONTICELLO MILL TAILINGS SITE, OPERABLE UNIT Exposure Controlled Yes III ANNUAL GROUNDWATER REPORT MAY 2010 THROUGH and Protective APR. 2011, APPENDICES A-H (INCLUDED ON CD) AUG Remedy in Place 2011 (TRANSMITTAL LETTER DATED 9/27/11 ATTACHED) Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Moritz, Vera **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

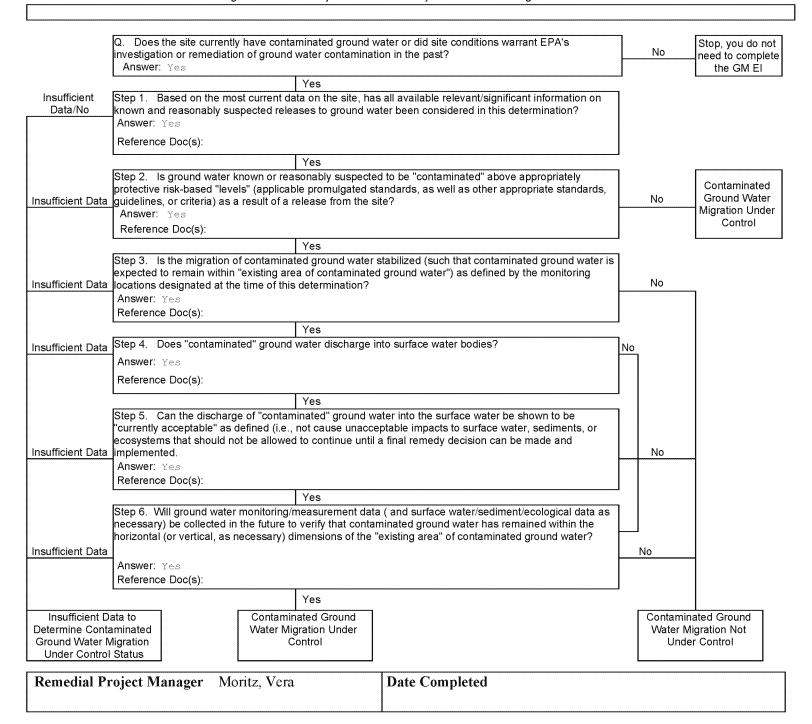
Site Name: MONTICELLO MILL TAILINGS (USDOE)

EPA ID: <u>UT3890090035</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: UTD980667208

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MONTICELLO RADIOACTIVELY CONTAMINATED

PROPERTIES

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/45

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Remedial action is complete. Institutional controls are in place. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? Determine Human Answer: Yes **Exposure Control** Status Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): No Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** are engineering and institutional controls, if required, in place and effective? No Exposures Controlled **Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11).

Remedial Project Manager	Moritz, Vera	Date Completed

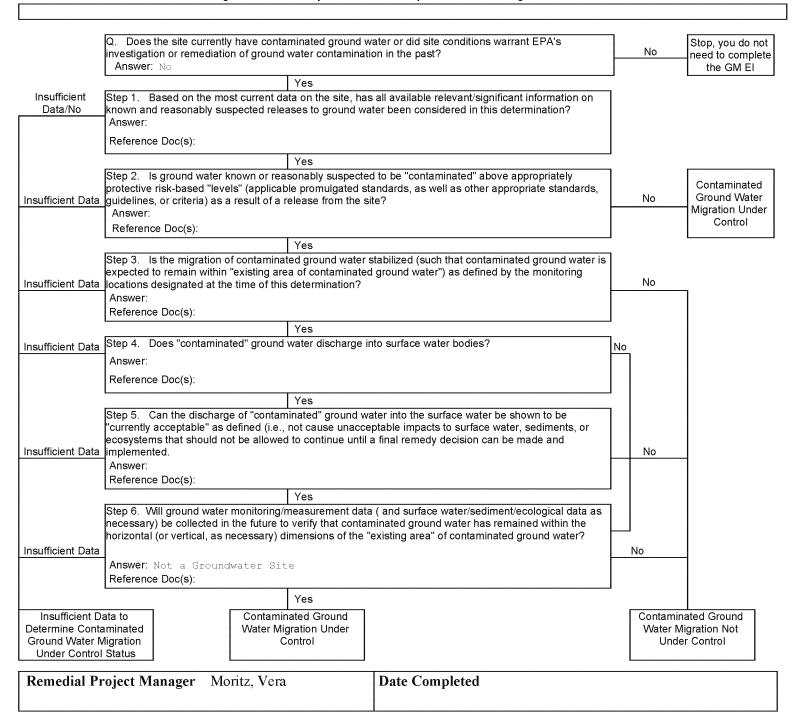
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MONTICELLO RADIOACTIVELY CONTAMINATED EPA ID: UTD980667208

PROPERTIES

GW Survey Status: <u>Not a GW Site</u> Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MOUAT INDUSTRIES

EPA ID: MTD021997689

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date: 03/21/16

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 03/21/16

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Confirmed by 4/15/2013 Five Year Review. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Yes Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Answer: Current Human Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Hoogerheide, Roger Date Completed

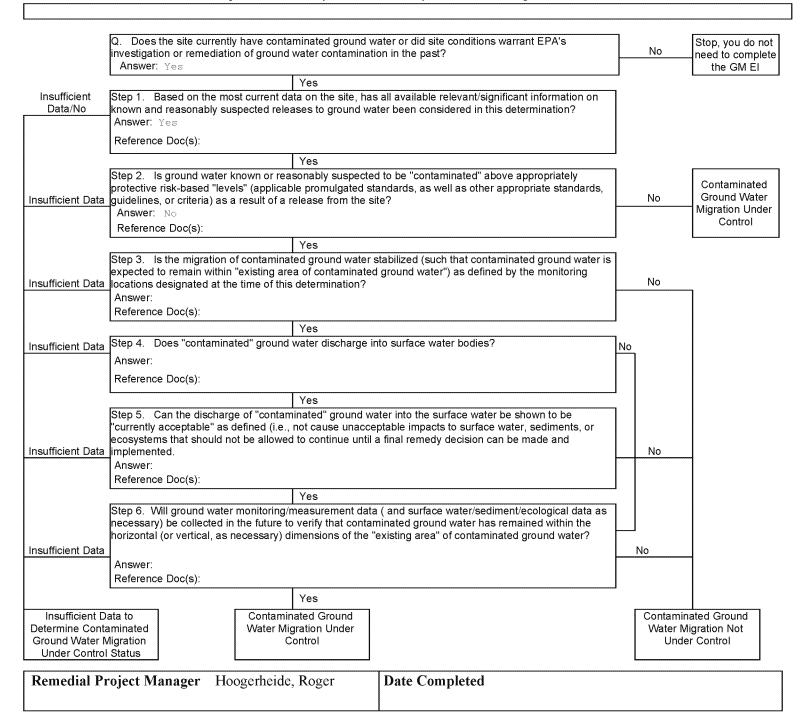
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MOUAT INDUSTRIES EPA ID: MTD021997689

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MURRAY SMELTER

EPA ID: UTD980951420

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

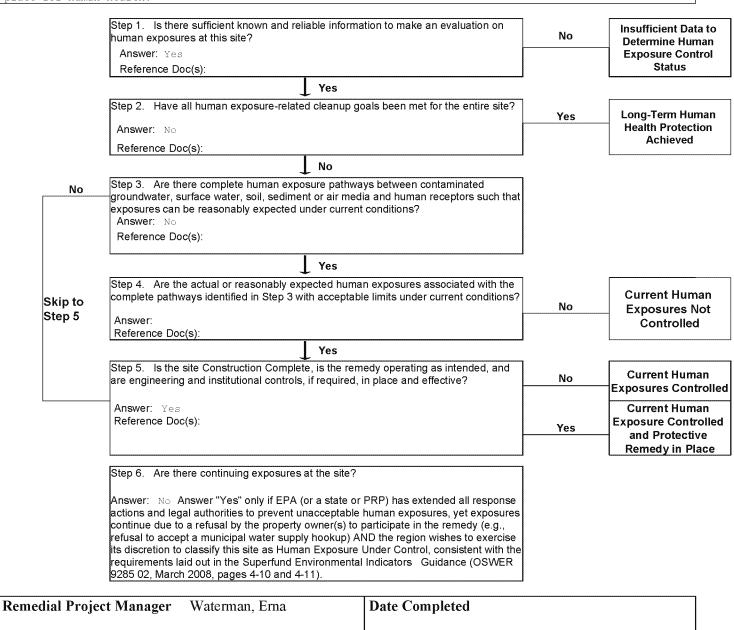
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/18

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Based on the first 5YR review dated September 2003 the site is under controlled and protective remedy in place for human health.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: MURRAY SMELTER EPA ID: UTD980951420

GW Survey Status: Contaminated Ground Water Migration Under Control

Site is considered GW under controlled based on the documents provided.

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Insufficient Step 1. Based on the most current data on the site, has all available relevant/significant information on Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): GROUNDWATER AND SURFACE WATER MONITORING REPORT FOURTH QUARTER 2007 Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): GROUNDWATER AND SURFACE WATER MONITORING REPORT FOURTH QUARTER 2007 Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring No Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Groundwater and surface water monitoring report fourth quarter 2007 Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data No Answer: Yes Reference Doc(s): (MURRAY SMELTER RECORD OF DECISION (ROD); INCLUDES TABLES, FIGURES, APPENDICES A, B, AND C, AND CERTIFICATION) Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Yes Reference Doc(s): GROUNDWATER AND SURFACE WATER MONITORING REPORT FOURTH QUARTER 2007 Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No **Answer**: Yes Reference Doc(s): SAMPLING & amp; ANALYSIS PLAN FOR GROUNDWATER & amp; SURFACE WATER MONITORING PROGRAMS, FORMER MURRAY SMELTER SITE (11/13/2000 COVER Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Not Determine Contaminated Water Migration Under **Ground Water Migration** Control Under Control Under Control Status Remedial Project Manager Waterman, Erna **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: MYSTERY BRIDGE RD/U.S. HIGHWAY 20

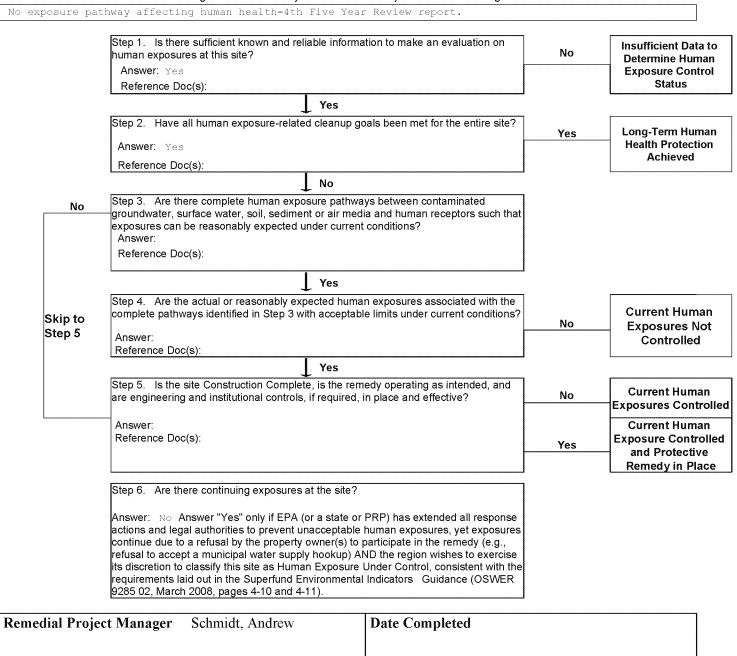
EPA ID: WYD981546005

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

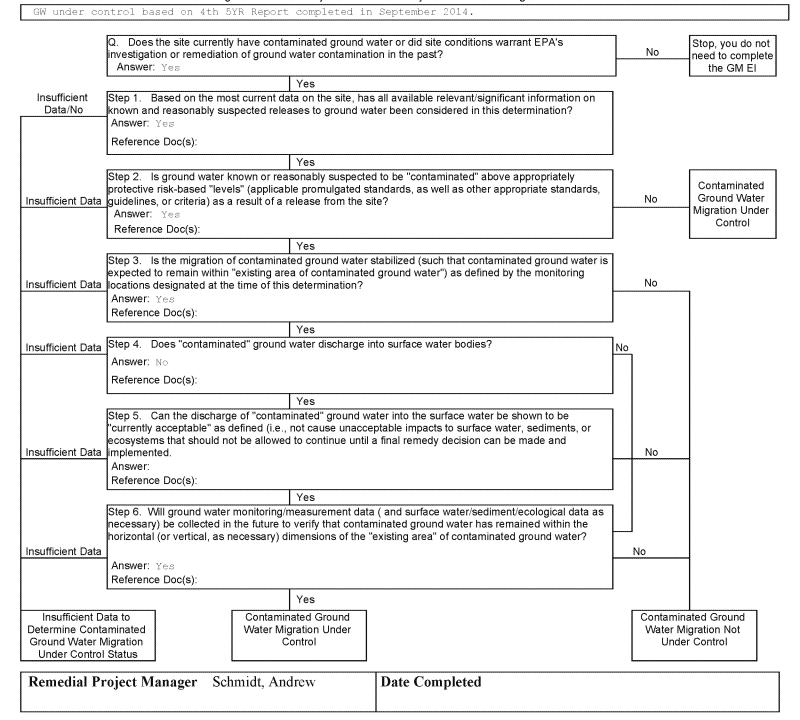
Site Name: MYSTERY BRIDGE RD/U.S. HIGHWAY 20

EPA ID: WYD981546005

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: NELSON TUNNEL/COMMODORE WASTE ROCK

EPA ID: CON000802630

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

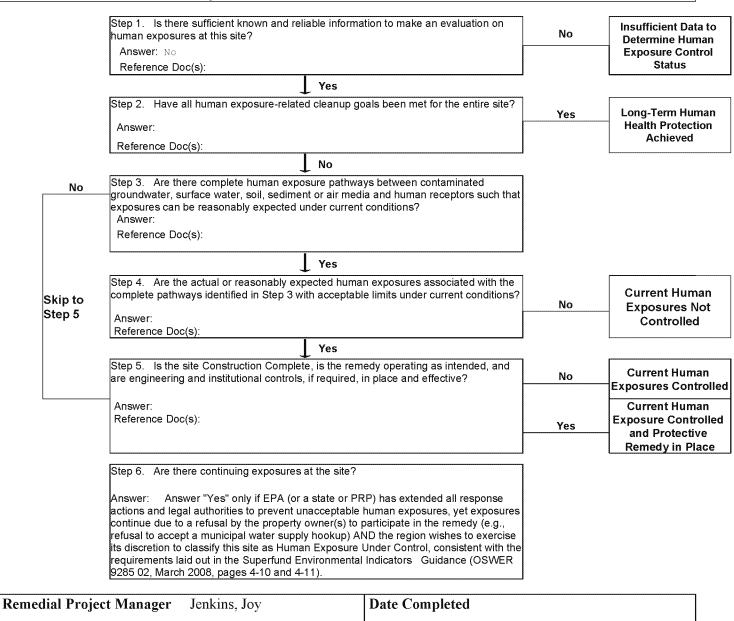
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 03/31/17

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Activity based sampling done for the 2011 RI is being re-evaluated and may be done again to refine the determination on human health exposure.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: NELSON TUNNEL/COMMODORE WASTE ROCK

EPA ID: CON000802630

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/18

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Additional data evaluation underway. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Insufficient Data Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the norizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Jenkins, Joy **Date Completed**

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: OGDEN DEFENSE DEPOT (DLA)

EPA ID: <u>UT9210020922</u>

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

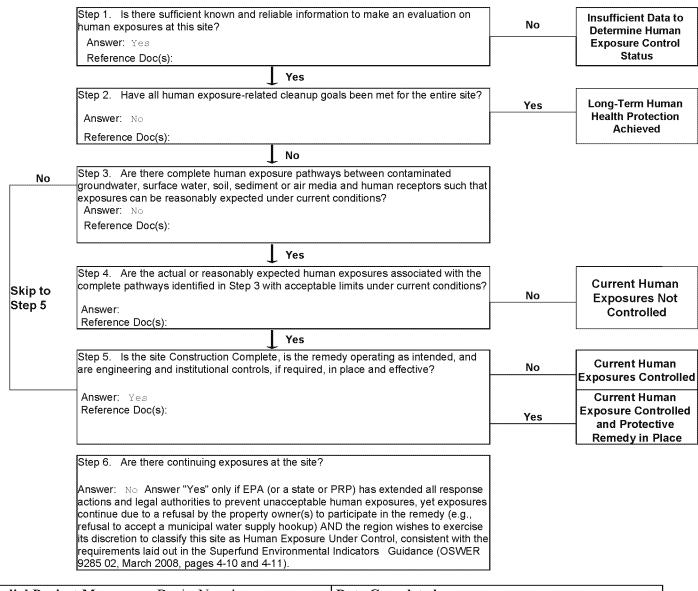
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/19

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Status changed due to error in previous data. Site has been construction complete so step 6 should have been "Yes".



Remedial Project Manager Davis, Natasha Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

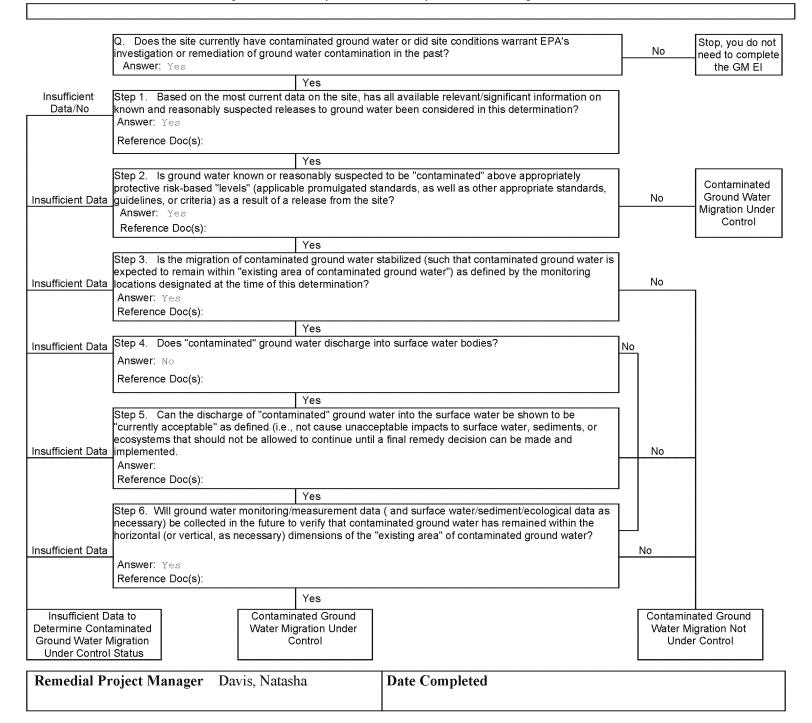
Site Name: OGDEN DEFENSE DEPOT (DLA)

EPA ID: <u>UT9210020922</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPAID: UTD093119196

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: PETROCHEM RECYCLING CORP. / EKOTEK PLANT

HE Survey Status: Long-Term Human Health Protection Achieved

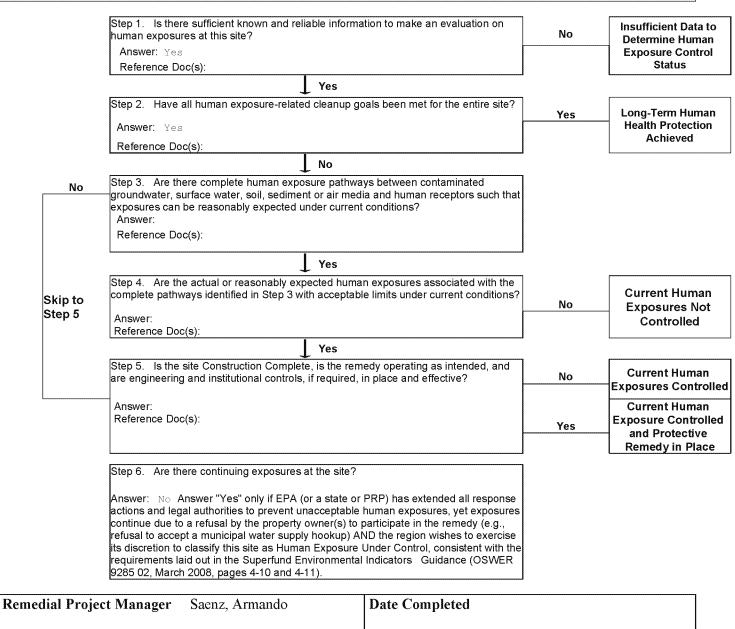
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

All hazardous materials above health-based levels were removed from the site & groundwater remediation goals have been obtained. The site is released from unrestricted use and unlimited exposure. The site has been deleted from the NPL.



All hazardous materials above health-based levels were removed from the site and GW remediation goals have been met.

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: PETROCHEM RECYCLING CORP./EKOTEK PLANT

EPA ID: UTD093119196

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

The site is released for UU/VE and has been deleted from the NPL. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not investigation or remediation of ground water contamination in the past? No need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: No Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Saenz, Armando **Date Completed**

EPAID: UTD980718670

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: PORTLAND CEMENT (KILN DUST 2 & 3)

HE Survey Status: Long-Term Human Health Protection Achieved

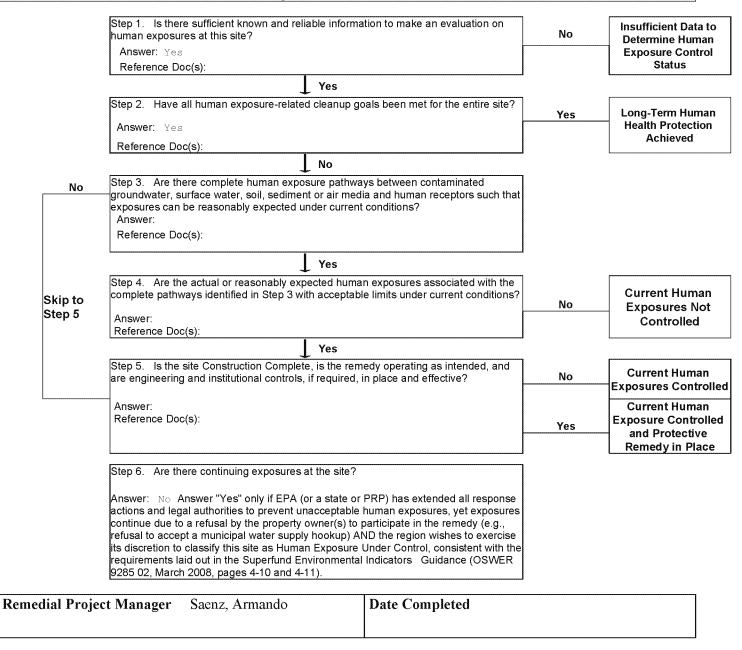
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Construction is complete. Monitoring system is operational and functional. The natural attenuation remedy is functioning as predicted. Institutional controls are in place to eliminate exposure to contaminated soils and restrict the use of groundwater.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

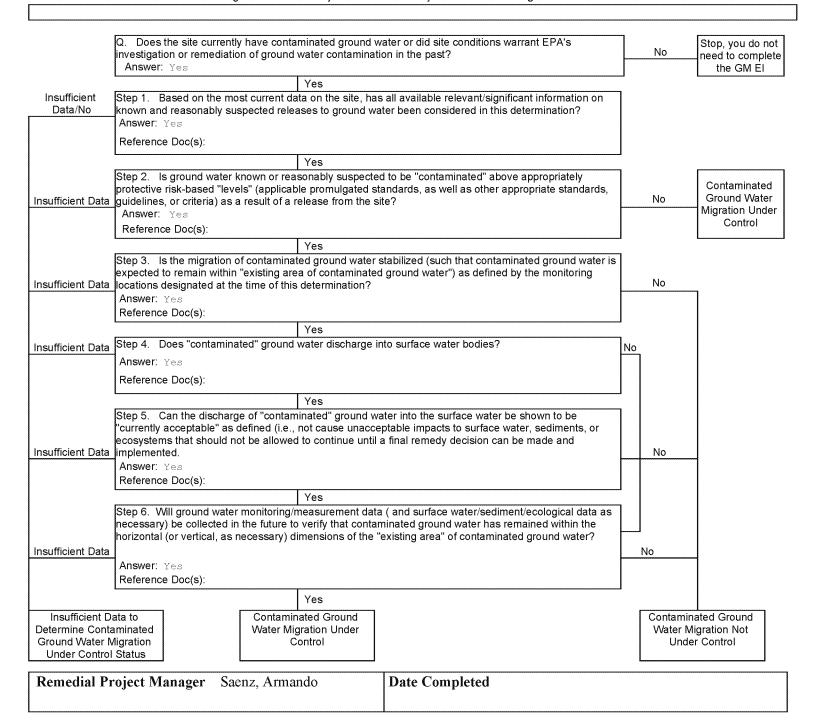
Site Name: PORTLAND CEMENT (KILN DUST 2 & 3)

EPA ID: <u>UTD980718670</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: RICHARDSON FLAT TAILINGS

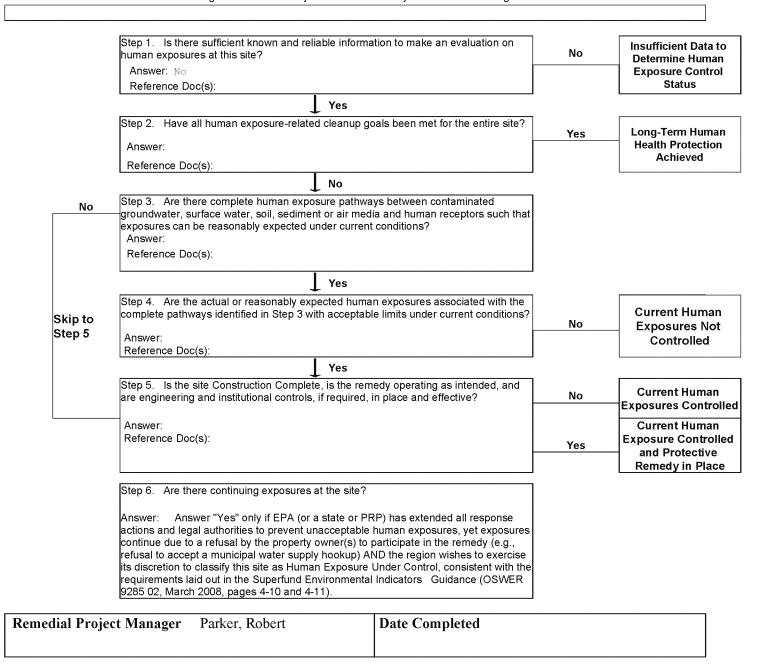
EPA ID: UTD980952840

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 03/31/18

Estimated LTHHP will be Achieved: $\frac{12/31/14}{}$



EPA ID: UTD980952840

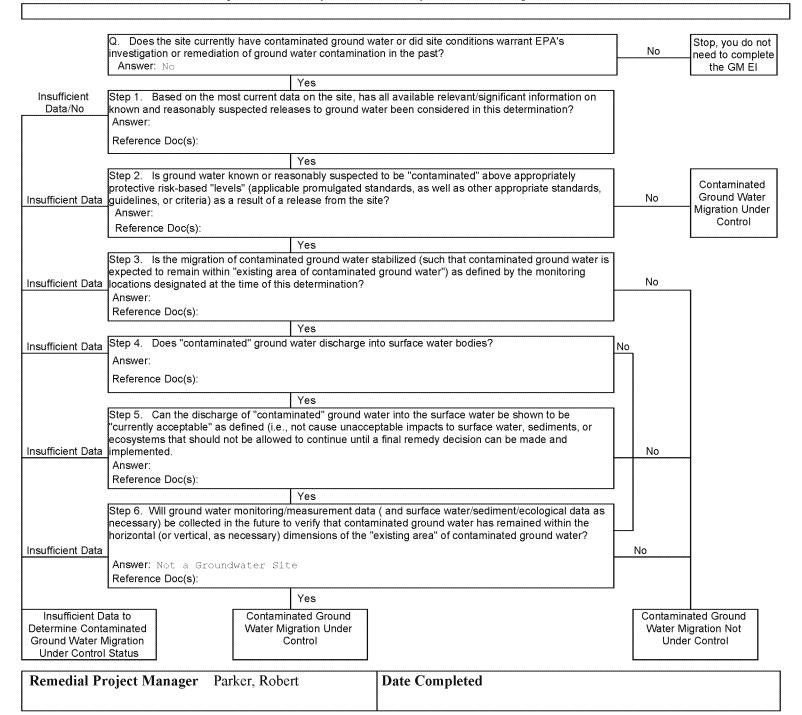
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: RICHARDSON FLAT TAILINGS

GW Survey Status: Not a GW Site

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ROCKY FLATS PLANT (USDOE)

EPA ID: CO7890010526

HE Survey Status: Current Human Exposure Controlled and Protective Remedy in Place

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/56

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Per construction complete and EPA certification letter. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Yes Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Moritz, Vera **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

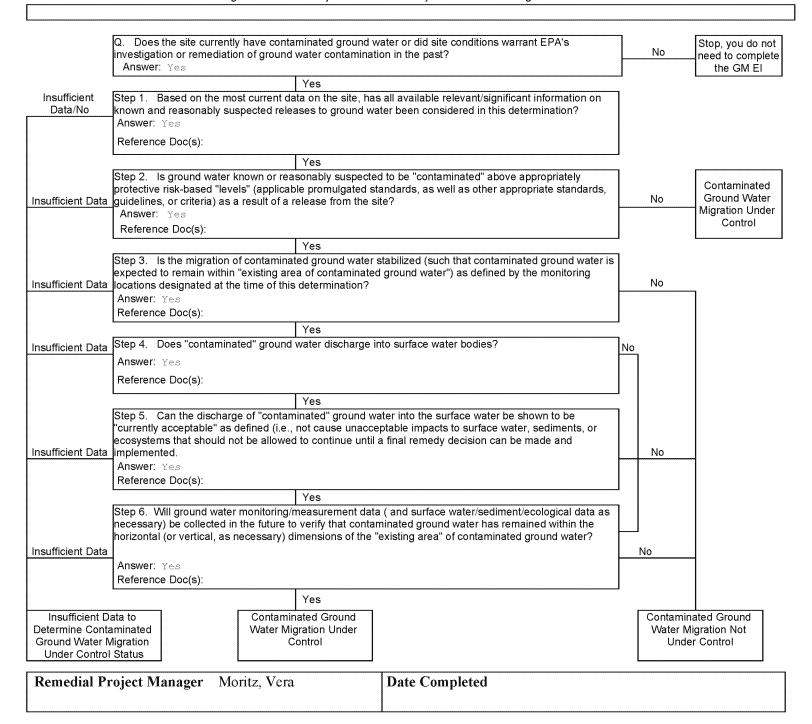
Site Name: ROCKY FLATS PLANT (USDOE)

EPA ID: CO7890010526

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: CO5210020769

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ROCKY MOUNTAIN ARSENAL (USARMY)

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/25

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Status remain the same. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Hargreaves, Greg Date Completed

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

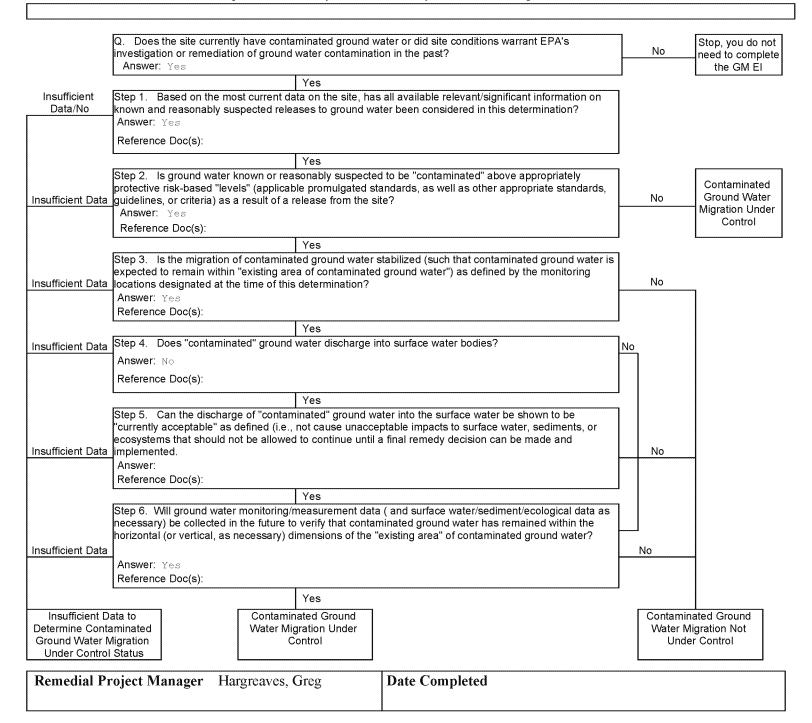
Site Name: ROCKY MOUNTAIN ARSENAL (USARMY)

EPA ID: CO5210020769

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: UTD980635452

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: ROSE PARK SLUDGE PIT

HE Survey Status: Long-Term Human Health Protection Achieved

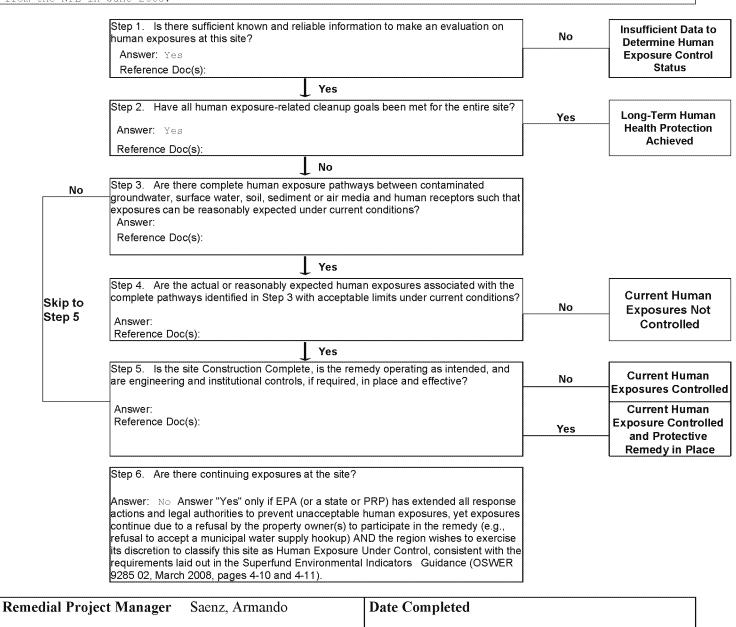
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Construction is complete and institutional control protect waste left in place. The site was deleted from the NPL in June 2003.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

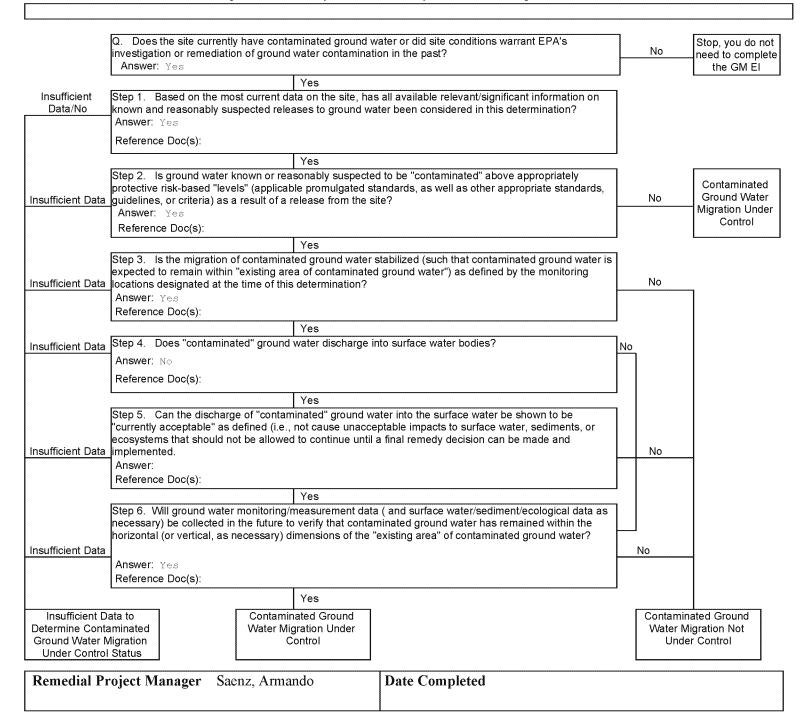
Site Name: ROSE PARK SLUDGE PIT

EPA ID: UTD980635452

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: SAND CREEK INDUSTRIAL

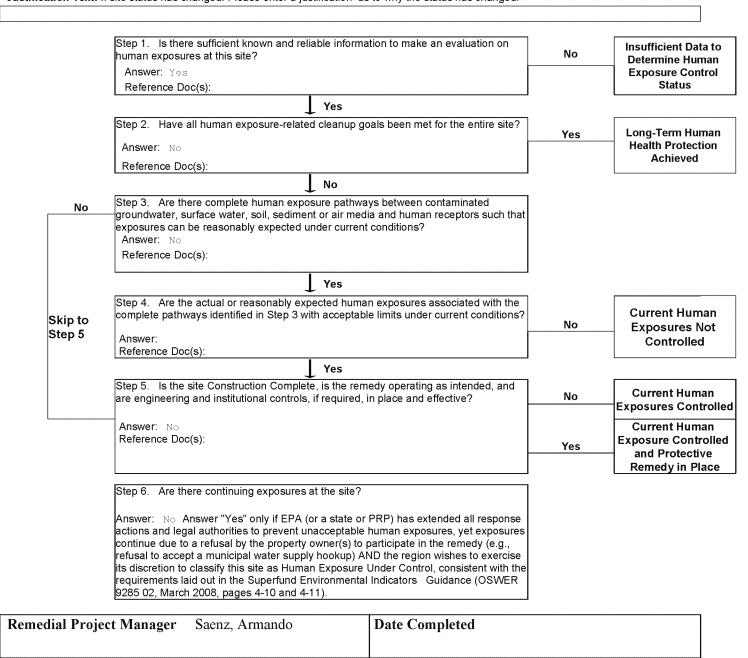
EPA ID: <u>COD980717953</u>

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/35



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

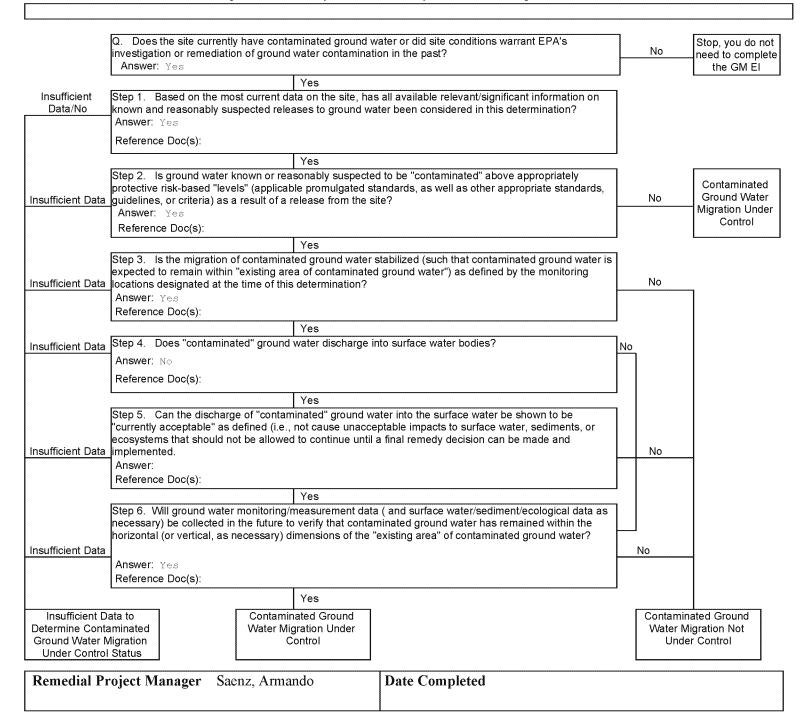
Site Name: SAND CREEK INDUSTRIAL

EPA ID: COD980717953

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: UTD980951388

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: SHARON STEEL CORP. (MIDVALE TAILINGS)

HE Survey Status: Long-Term Human Health Protection Achieved

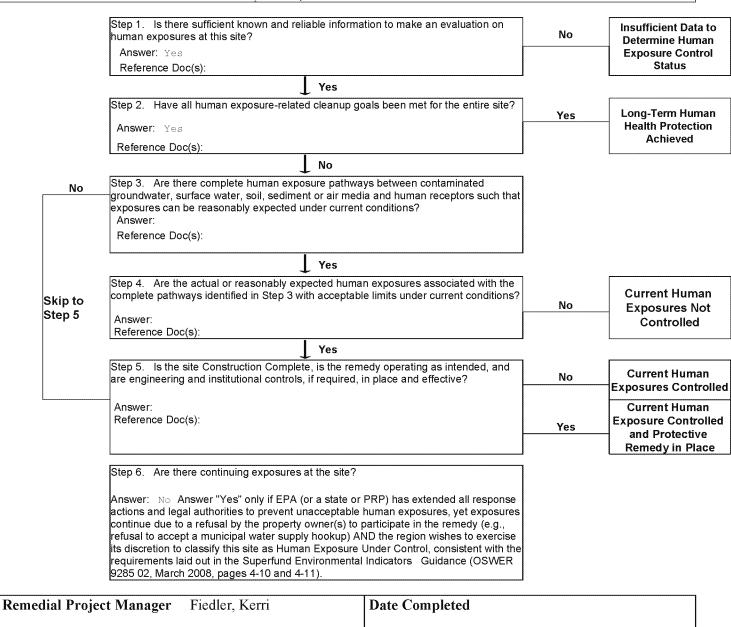
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Construction is complete and institutional controls have been implemented to protect waste left in place. The site was deleted from the NPL in September, 2004.



ED_002345C_00009006-00119

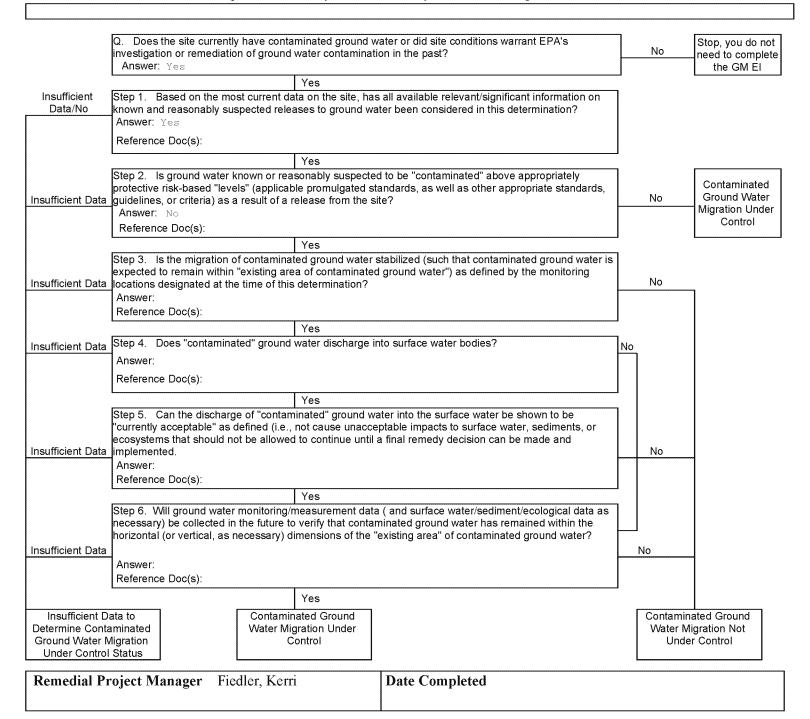
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: SHARON STEEL CORP. (MIDVALE TAILINGS) EPA ID: UTD980951388

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: SILVER BOW CREEK/BUTTE AREA

EPA ID: MTD980502777

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 03/31/22

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Have not started Westside Soils RI. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: No **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Greene, Nikia **Date Completed**

Changed as a result of a data quality review and reassessment completed on 11/10/05 by the site RPM and the Montana

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: SILVER BOW CREEK/BUTTE AREA

EPA ID: MTD980502777

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Office Director. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data No limplemented. Answer: Yes Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Greene, Nikia **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: SMELTERTOWN SITE EPA ID: COD983769738

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

This site has met all the human exposure-related cleanup goals. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer Yes **Exposure Control** FINAL REMOVAL ACTION CLOSE OUT REPORT OU 1, Reference Doc(s): Status REMEDIAL ACTION REPORT OPERABLE UNIT 2 Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Yes Long-Term Human Answer: Yes **Health Protection Achieved** FINAL REMOVAL ACTION CLOSE OUT REPORT OU 1, Reference Doc(s): REMEDIAL ACTION REPORT OPERABLE UNIT No Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? Exposures Controlled **Current Human** Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise

Remedial Project Manager	Waterman, Erna	Date Completed

its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER

9285 02, March 2008, pages 4-10 and 4-11).

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: SMELTERTOWN SITE EPA ID: COD983769738

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

This site has met all GW cleanup goal. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: No Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Waterman, Erna **Date Completed**

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: SMUGGLER MOUNTAIN EPA ID: COD980806277

HE Survey Status: Long-Term Human Health Protection Achieved

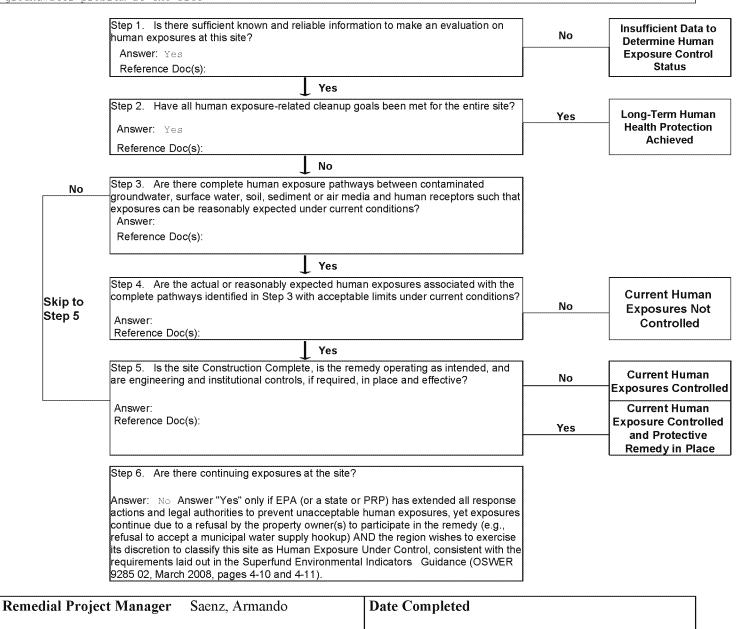
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Long-Term human helath protection was achieved with the deletion of the site on 9/23/99. Alto there is no groundwater problem at the site



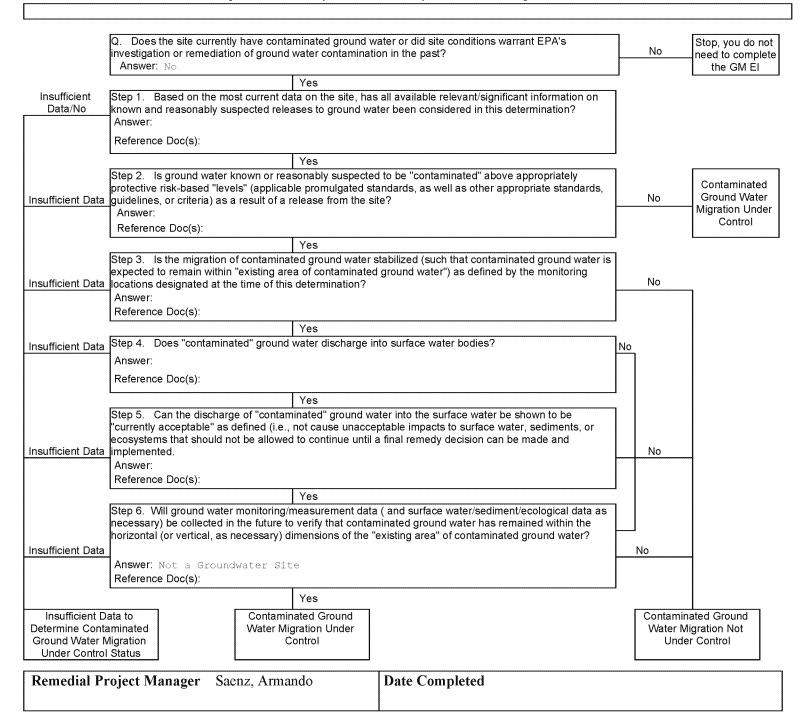
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: SMUGGLER MOUNTAIN EPA ID: COD980806277

GW Survey Status: <u>Not a GW Site</u>

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: SMURFIT-STONE MILL FRENCHTOWN

EPA ID: MTN000802850

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

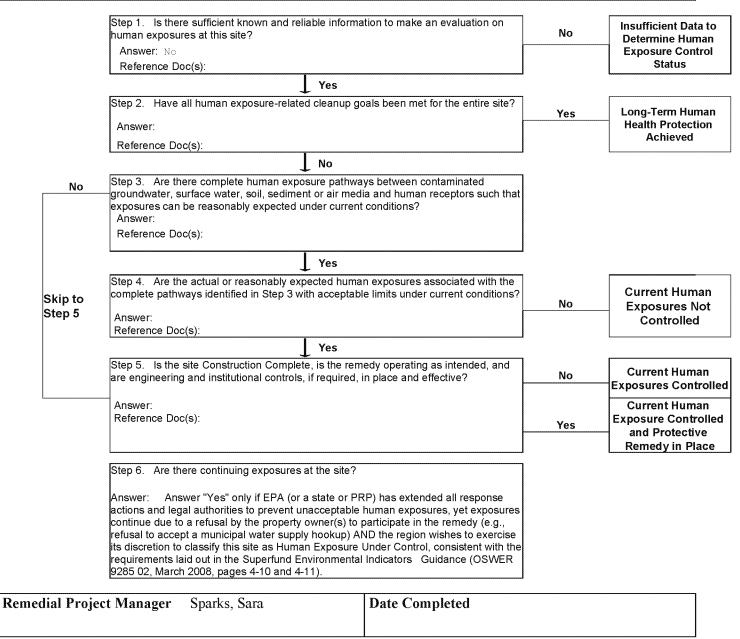
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): $\frac{12/31/21}{2}$

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

An Administrative Order on Consent for RI/FS was recently signed. Field investigations are planned for 2016. Once data has been collected and validated, a conceptual site model will be developed which will show all the human exposure pathways. This is anticipated to be developed in 2017.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

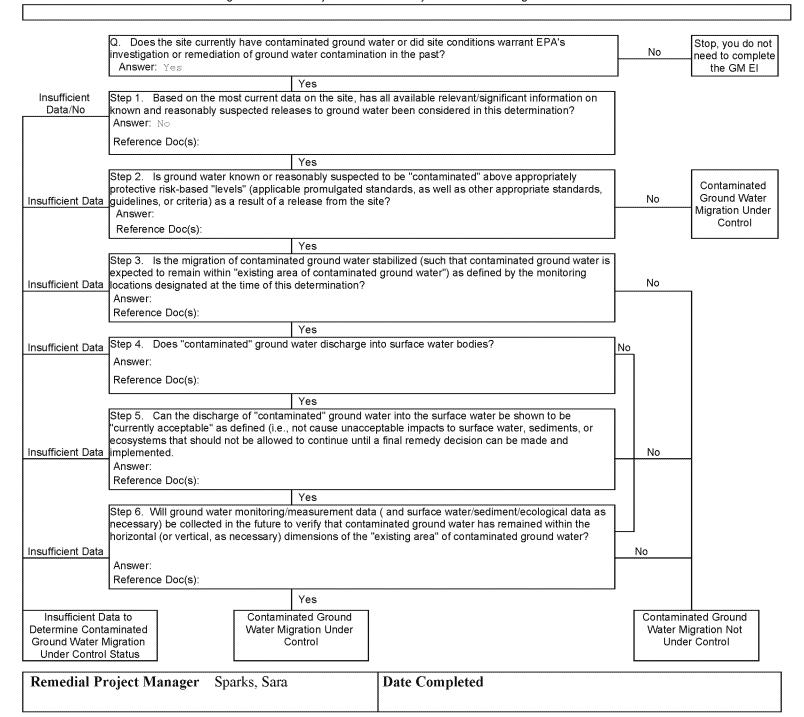
Site Name: SMURFIT-STONE MILL FRENCHTOWN

EPA ID: MTN000802850

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): $\frac{12/31/21}{12}$



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: STANDARD MINE EPA ID: CO0002378230

HE Survey Status: Current Human Exposure Not Controlled

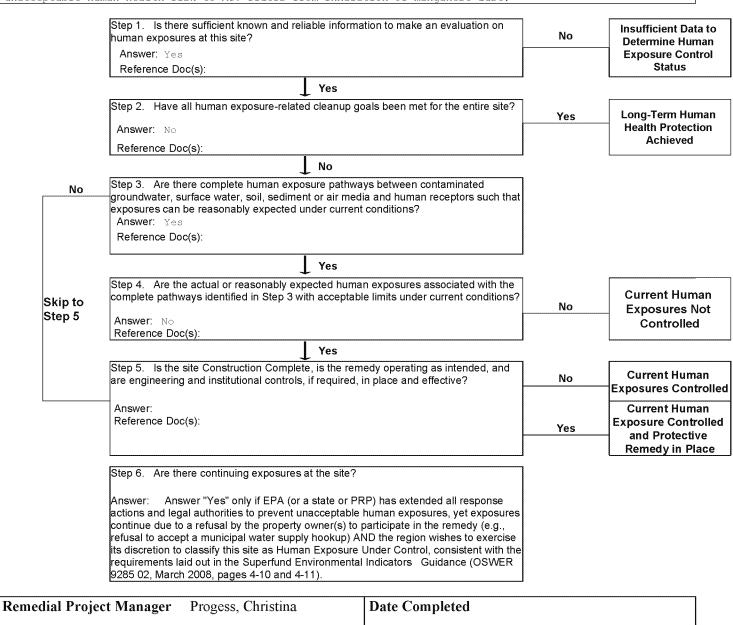
Estimated Under Control Date: 12/31/22

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/25

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

A human health risk assessment has been completed at th site. Results of the risk assessment show an unacceptable human health risk to A&V riders from inhalation of manganese dust.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: STANDARD MINE EPA ID: C00002378230

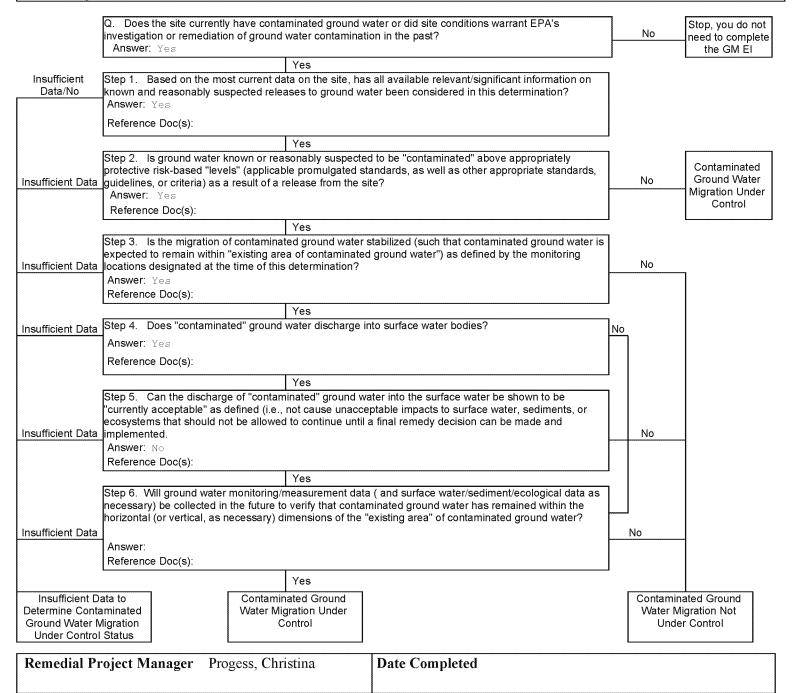
GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 12/31/22

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

USGS and DRMS have completed investigations of underground mine workings and hydrogeologis interactions in mine. Data has been collected that suggest potential groundwater flow paths, therefore EPA has enough data to determine that the groundwater is not under control.



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

EPA ID: COD983778432 Site Name: SUMMITVILLE MINE

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/30

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Five-Year Review Report(2015) findings/Institutional Controls are needed for long-term protectiveness. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s):

Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled

Yes and Protective Remedy in Place

Step 6. Are there continuing exposures at the site?

Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11).

Remedial Project Manager Costanzi, Fran **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: SUMMITVILLE MINE EPA ID: COD983778432

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Construction has been completed on the water treatment system as well as surface source controls. Treatment Monitoring is ongoing. components are functioning and standards are being met. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not investigation or remediation of ground water contamination in the past? No need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Yes Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Nο Insufficient Data locations designated at the time of this determination? Answer: Yes Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Yes Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be 'currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data No limplemented. Answer: Yes Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Yes Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Water Migration Under Water Migration Not Determine Contaminated Ground Water Migration Control Under Control Under Control Status Remedial Project Manager Costanzi, Fran **Date Completed**

EPA ID: UT3213820894

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: TOOELE ARMY DEPOT (NORTH AREA)

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/26

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human Exposure Control** Answer: Yes **Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: No Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: No Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: No Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Smith, Pat **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: TOOELE ARMY DEPOT (NORTH AREA)

EPA ID: UT3213820894

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/19

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Insufficient data based on current RCRA CMS and Groundwater Flow Model.

As of September 2016, there is insufficient information available to determine the Ground Water Migration Under Control status at the Tooele Army Depot Superfund Site, because the groundwater investigation is ongoing. This does not mean that unacceptable exposures are occurring.

Ground water mapping, modeling, and active treatment has taken place under the RCRA permit. A ground water management area is in place, with a buffer zone around the plume. No ground water exposures are taking place. Additional groundwater investigations to evaluate the potential for Monitored Natural Attenuation are expected to be complete by 2020.

	Q. Does the site currently have contaminated ground water or did si]	Stop, you do not		
	investigation or remediation of ground water contamination in the past?			need to complete	
	Answer: Yes			the GM EI	
Insufficient	Yes	relevant/significant information on			
Data/No	Step 1. Based on the most current data on the site, has all available known and reasonably suspected releases to ground water been con				
	Answer: Yes				
	Reference Doc(s):				
	Yes				
	Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately				
	protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards,			Contaminated Ground Water	
Insufficient Data	guidelines, or criteria) as a result of a release from the site? Answer: Yes		No	Migration Under	
	Reference Doc(s):			Control	
	Yes		l		
	Step 3. Is the migration of contaminated ground water stabilized (su	ch that contaminated ground water is			
	expected to remain within "existing area of contaminated ground water") as defined by the monitoring				
Insufficient Data				1	
	Answer: Insufficient Data Reference Doc(s):				
	Yes				
Insufficient Data	Step 4. Does "contaminated" ground water discharge into surface water bodies?				
Insumcient Data	Answer:				
	Reference Doc(s):				
	Yes	curface water he shown to be			
	Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or				
	ecosystems that should not be allowed to continue until a final remedy decision can be made and				
Insufficient Data	· ·	-	No		
	Answer: Reference Doc(s):				
	Yes				
	Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as				
	necessary) be collected in the future to verify that contaminated ground water has remained within the				
	horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?				
Insufficient Data	Anguar	_	No		
400	Answer: Reference Doc(s):				
	Yes				
Insufficient D			Contamina	ated Ground	
Determine Conta	I I			gration Not	
Ground Water Migration Control				Control	
Under Control	Status		L		
Remedial Project Manager Smith, Pat Date Completed					

EPA ID: MTSFN7578012

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: UPPER TENMILE CREEK MINING AREA

HE Survey Status: Current Human Exposure Not Controlled

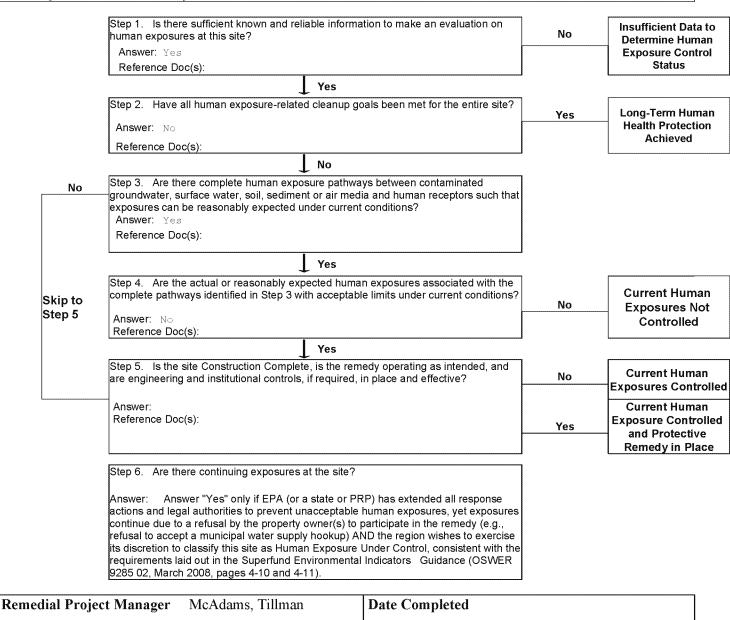
Estimated Under Control Date: 09/30/27

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/27

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

95% of residential yards remediation planned complete. Mine waste sites near Rimini and Landmark subdivisions remediation. Mine source adit discharges in Rimini area are the next priority remedial activity to address human exposure concerns.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: <u>UPPER_TENMILE_CREEK_MINING_AREA</u> EPA ID: <u>MTSFN7578012</u>

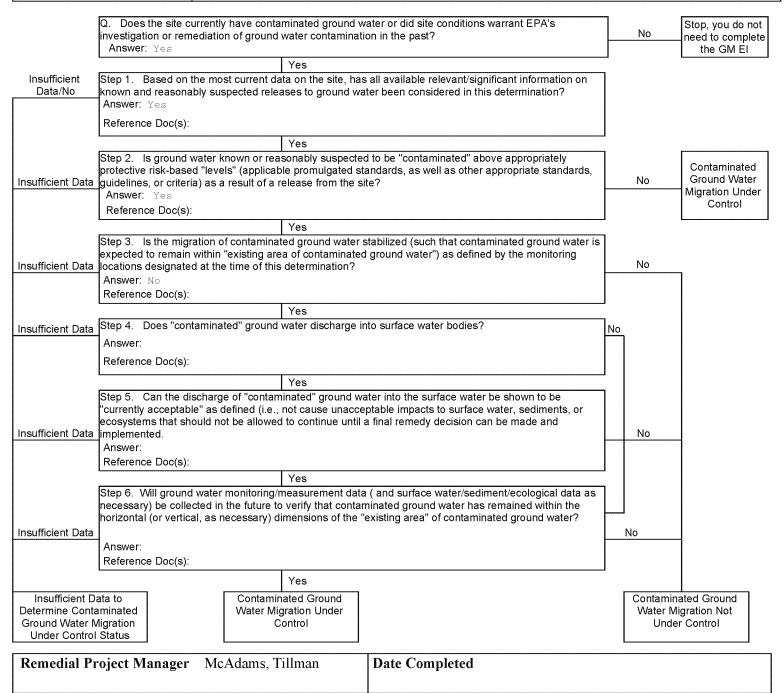
GW Survey Status: Contaminated Ground Water Migration Not Under Control

Estimated Under Control Date: 09/30/27

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Arsenic levels significantly above MCL found in ground water monitoring wells used to identify impact coming from Little Lily Mine. Direction of flow is towards Rimini where the majority of wells have arsenic above MCL. Surface water measurements show high concentrations of arsenic as well.



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

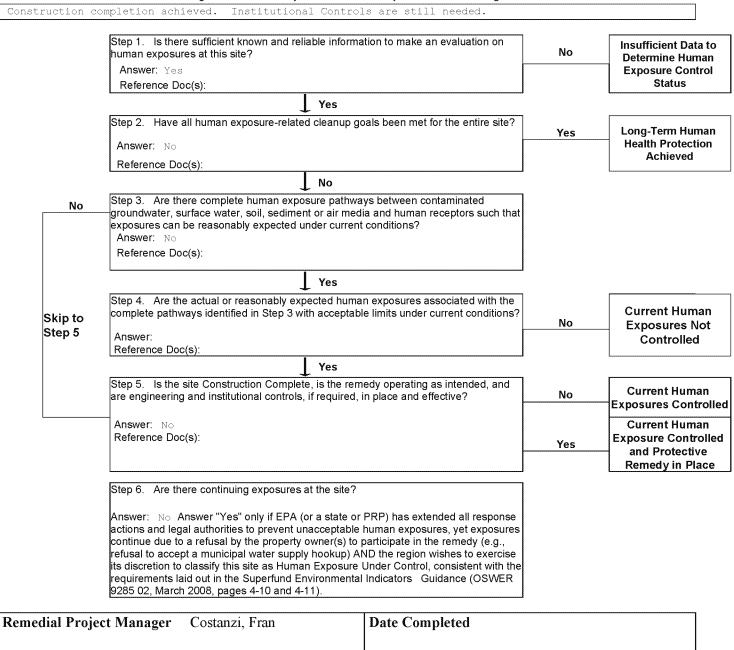
Site Name: URAVAN URANIUM PROJECT (UNION CARBIDE CORP.) EPA ID: COD007063274

HE Survey Status: Current Human Exposure Controlled

Estimated Under Control Date: 03/17/16

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 09/30/19



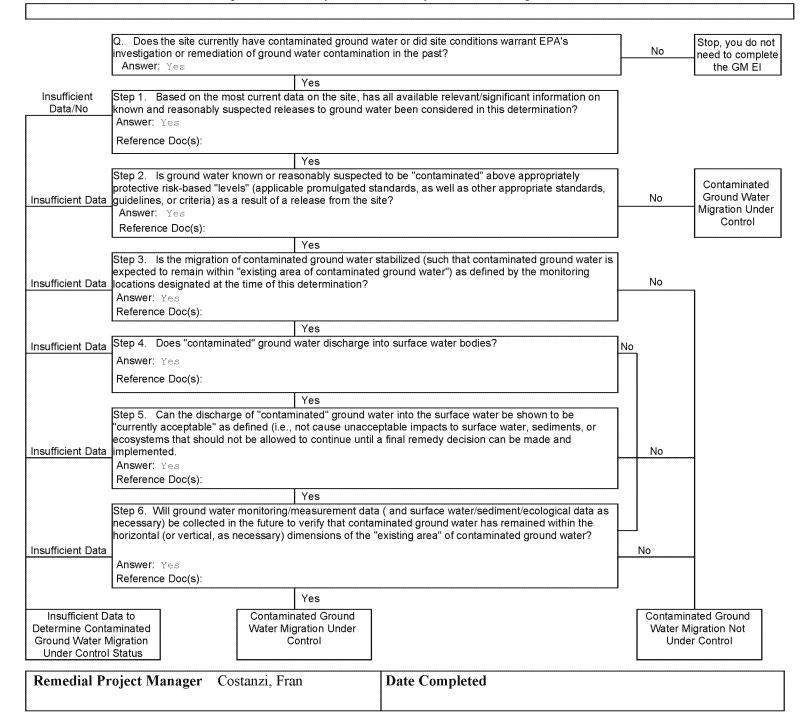
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: URAVAN URANIUM PROJECT (UNION CARBIDE CORP.) EPA ID: COD007063274

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date: 03/17/16

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: US MAGNESIUM EPA ID: UTN000802704

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 09/30/20

Estimated LTHHP will be Achieved: 09/30/20

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Site was listed onto the NPL November, 2009; RI/FS underway. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer: No **Exposure Control Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Wangerud, Ken **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: <u>US_MAGNESIUM</u> EPA ID: <u>UTN000802704</u>

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): $\underline{09/30/20}$

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Site was listed onto the NPL November, 2009; RI/FS underway. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: No Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the norizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Wangerud, Ken **Date Completed**

EPA ID: UTD980667240

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

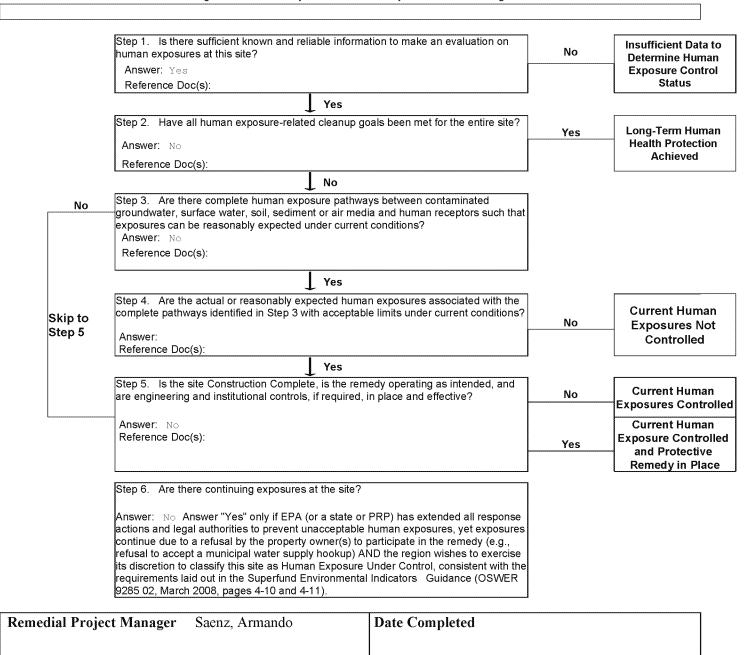
Site Name: UTAH POWER & LIGHT/AMERICAN BARREL CO.

HE Survey Status: <u>Current Human Exposure Controlled</u>

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved: 12/31/35



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

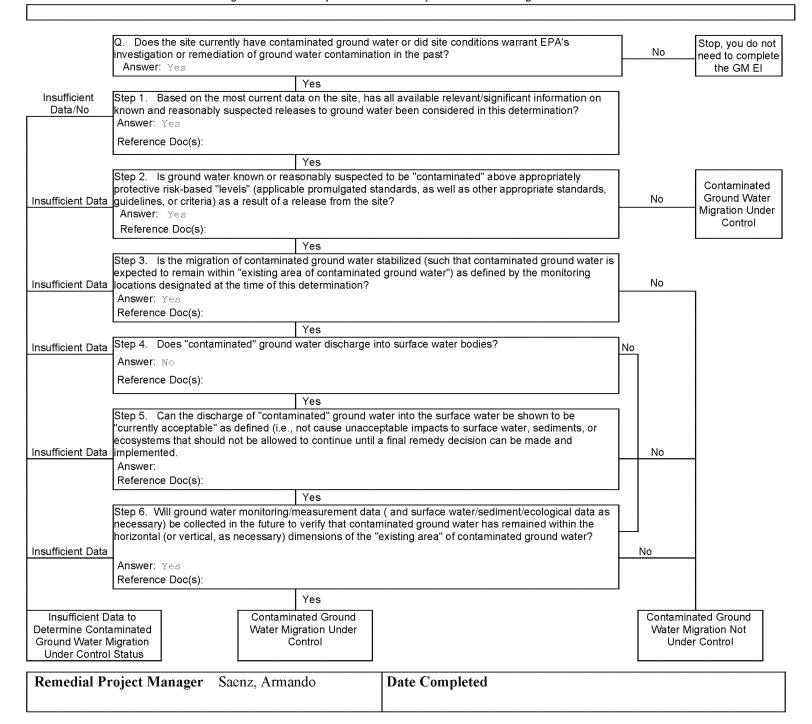
Site Name: UTAH POWER & LIGHT/AMERICAN BARREL CO.

EPA ID: <u>UTD980667240</u>

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: VASQUEZ BOULEVARD AND I-70

EPA ID: CO0002259588

HE Survey Status: Insufficient Data to Determine Human Exposure Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID): 06/30/17

Estimated LTHHP will be Achieved: 06/30/13

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Need final risk assessment/ROD for OU2 and OU3. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer: No **Exposure Control Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the **Current Human** complete pathways identified in Step 3 with acceptable limits under current conditions? Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled** Current Human Answer: Reference Doc(s): Exposure Controlled Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Zinner, Dania **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

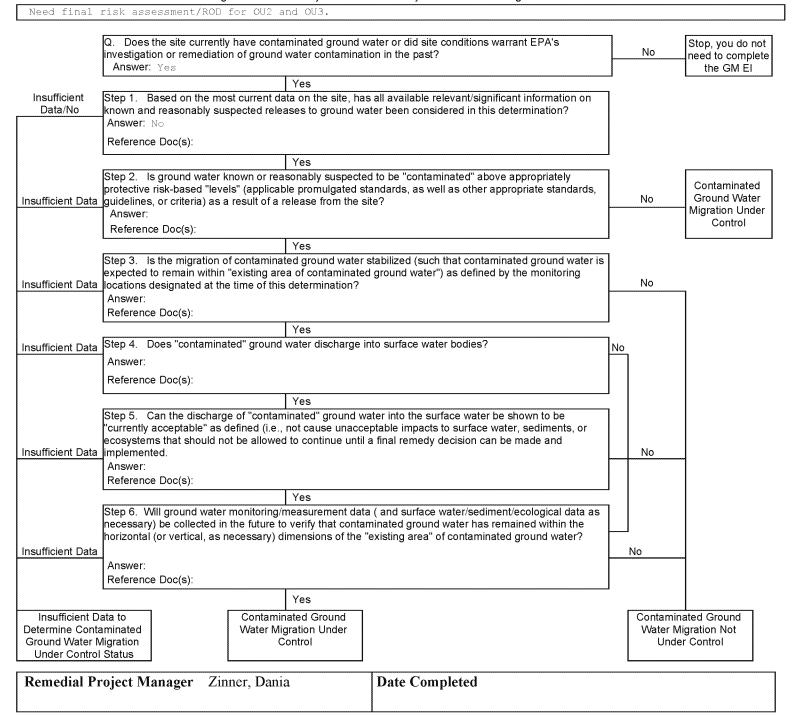
Site Name: <u>VASQUEZ BOULEVARD AND I-70</u>

EPA ID: CO0002259588

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID): 03/31/17



EPA ID: UTD000716399

Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: WASATCH CHEMICAL CO. (LOT 6)

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

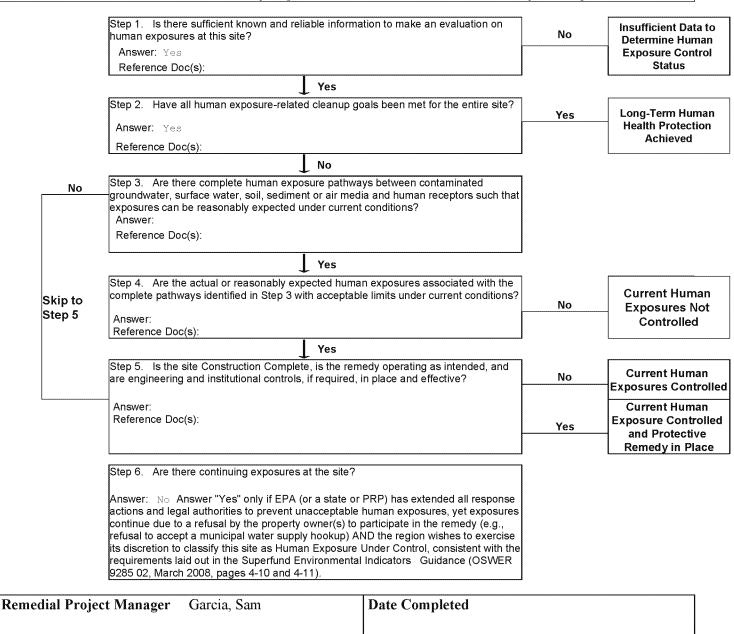
Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Construction is complete. The remedy as designed, constructed, implemented, and operated is protective of human health and the environment. Institutional controls have been implemented to protect waste left in place.

The 4th Five-Year Review recommended sampling of indoor air. Final results are expected by summer 2016.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

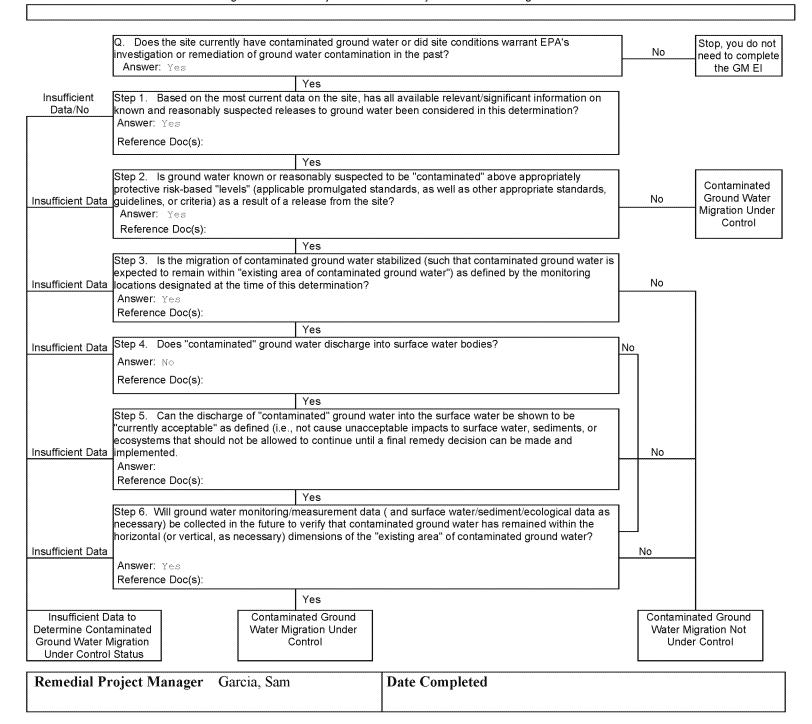
Site Name: WASATCH CHEMICAL CO. (LOT 6)

EPA ID: UTD000716399

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



Definition: The Long-Term Human Health Protection El documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: WHITEWOOD CREEK EPAID: SDD980717136

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

No exposure pathway affecting human health. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer: Yes **Exposure Control Status** Reference Doc(s): Yes Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Yes Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): **Exposure Controlled** Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Fiedler, Kerri Remedial Project Manager **Date Completed**

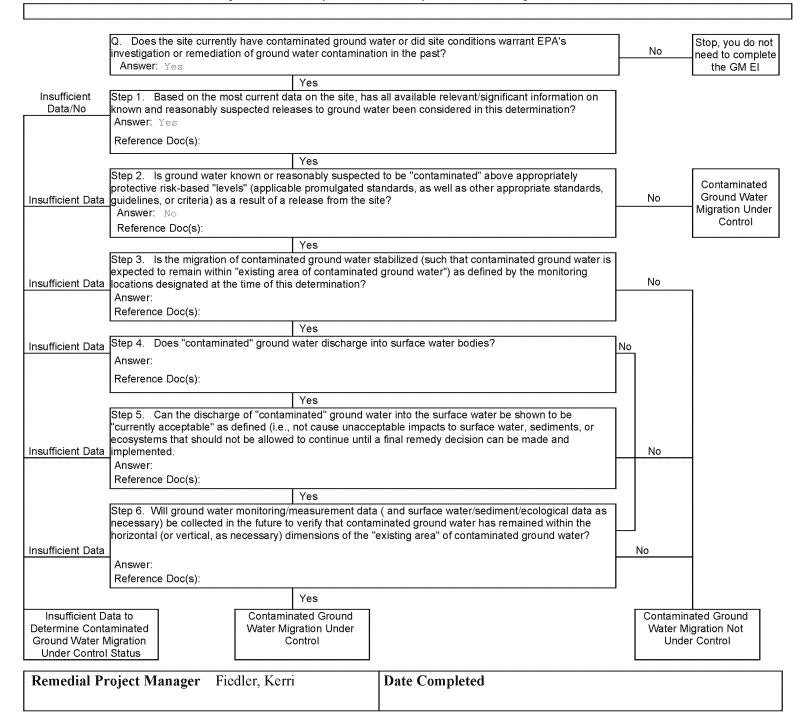
Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: WHITEWOOD CREEK EPA ID: SDD980717136

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):



EPA ID: SDD000823559

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: WILLIAMS PIPE LINE CO. DISPOSAL PIT

HE Survey Status: Long-Term Human Health Protection Achieved

Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

No exposure pathway affecting human health. Step 1. Is there sufficient known and reliable information to make an evaluation on Insufficient Data to No human exposures at this site? **Determine Human** Answer: Yes **Exposure Control Status** Reference Doc(s): Step 2. Have all human exposure-related cleanup goals been met for the entire site? Long-Term Human Yes **Health Protection** Answer: Yes Achieved Reference Doc(s): Step 3. Are there complete human exposure pathways between contaminated No groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions? Answer: Reference Doc(s): Yes Step 4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 with acceptable limits under current conditions? **Current Human** Skip to No **Exposures Not** Step 5 Answer: Controlled Reference Doc(s): Yes Step 5. Is the site Construction Complete, is the remedy operating as intended, and **Current Human** No are engineering and institutional controls, if required, in place and effective? **Exposures Controlled Current Human** Answer: Reference Doc(s): **Exposure Controlled** Yes and Protective Remedy in Place Step 6. Are there continuing exposures at the site? Answer: No Answer "Yes" only if EPA (or a state or PRP) has extended all response actions and legal authorities to prevent unacceptable human exposures, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285 02, March 2008, pages 4-10 and 4-11). Remedial Project Manager Saenz, Armando **Date Completed**

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: WILLIAMS PIPE LINE CO. DISPOSAL PIT EPA ID: SDD000823559

GW Survey Status: Contaminated Ground Water Migration Under Control

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: Yes the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Answer: Yes Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: No Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Reference Doc(s): Yes Step 4. Does "contaminated" ground water discharge into surface water bodies? Insufficient Data Νo Answer: Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Yes Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Saenz, Armando **Date Completed**

EPA ID: COD980667075

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: WOODBURY CHEMICAL CO.

HE Survey Status: Long-Term Human Health Protection Achieved

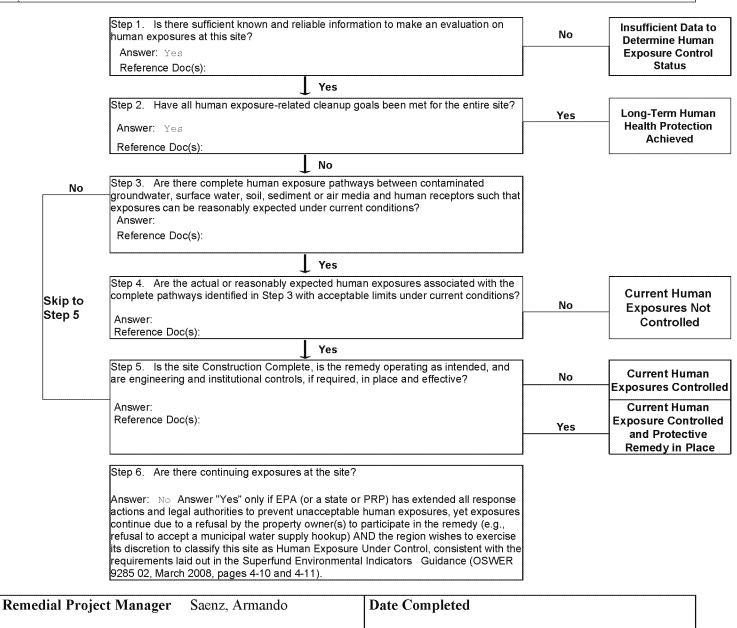
Estimated Under Control Date:

Estimated Date for Sufficient Information to make a HE Determination (if HEID):

Estimated LTHHP will be Achieved:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

No exposure pathway affecting human health. Property availabe for unlimited use and unrestricted exposure.



Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: WOODBURY CHEMICAL CO. EPA ID: COD980667075

GW Survey Status: <u>Not a GW Site</u>

Estimated Under Control Date:

Estimated Date for Sufficient Information to Make a GM Determination (if GMID):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Site available for unlimited use and unrestricted exposure. Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's Stop, you do not No investigation or remediation of ground water contamination in the past? need to complete Answer: No the GM EI Yes Step 1. Based on the most current data on the site, has all available relevant/significant information on Insufficient Data/No known and reasonably suspected releases to ground water been considered in this determination? Reference Doc(s): Yes Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately Contaminated protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, Ground Water No Insufficient Data guidelines, or criteria) as a result of a release from the site? Migration Under Answer: Control Reference Doc(s): Yes Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring Insufficient Data No locations designated at the time of this determination? Answer: Reference Doc(s): Yes Does "contaminated" ground water discharge into surface water bodies? Step 4. Insufficient Data Νo Reference Doc(s): Yes Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and Insufficient Data implemented. No Answer: Reference Doc(s): Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water? Insufficient Data No Answer: Not a Groundwater Site Reference Doc(s): Yes Insufficient Data to Contaminated Ground Contaminated Ground Determine Contaminated Water Migration Under Water Migration Not **Ground Water Migration** Control Under Control **Under Control Status** Remedial Project Manager Saenz, Armando **Date Completed**

